

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003730.D
 Acq On : 11 Dec 2020 16:27
 Operator : SY/MD
 Sample : L5063-01
 Misc : 4.47G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.058	37	39	44	rVB3	1333	2138	0.17%	0.014%
2	2.247	64	70	82	rVB	59230	97475	7.95%	0.659%
3	2.479	104	108	110	rBV3	413	574	0.05%	0.004%
4	2.522	113	115	116	rBV	883	526	0.04%	0.004%
5	2.656	136	137	140	rBV3	928	678	0.06%	0.005%
6	2.705	144	145	148	rVB3	718	542	0.04%	0.004%
7	2.766	149	155	171	rVB	49645	100518	8.20%	0.680%
8	2.906	174	178	185	rBV4	1261	2479	0.20%	0.017%
9	3.180	221	223	226	rVB	519	508	0.04%	0.003%
10	3.259	229	236	238	rBV4	1301	2234	0.18%	0.015%
11	3.863	324	335	347	rBV	97202	268071	21.87%	1.813%
12	4.210	383	392	402	rBV5	1694	5218	0.43%	0.035%
13	4.722	468	476	477	rBV2	5800	9344	0.76%	0.063%
14	4.918	503	508	511	rBV3	506	1025	0.08%	0.007%
15	5.229	555	559	562	rBV	417	491	0.04%	0.003%
16	5.436	590	593	597	rBV3	306	596	0.05%	0.004%
17	5.759	639	646	649	rBV6	1940	4376	0.36%	0.030%
18	6.899	824	833	842	rBV	29172	84199	6.87%	0.570%
19	6.990	842	848	863	rVB	10745	35628	2.91%	0.241%
20	7.490	919	930	943	rVB	130365	325418	26.55%	2.201%
21	7.777	971	977	980	rBV5	604	1239	0.10%	0.008%
22	7.984	1007	1011	1013	rVV4	506	665	0.05%	0.004%
23	8.002	1013	1014	1019	rVV3	577	622	0.05%	0.004%
24	8.118	1022	1033	1050	rVV2	273741	820386	66.93%	5.550%
25	8.405	1076	1080	1084	rVB3	443	751	0.06%	0.005%
26	8.551	1102	1104	1107	rVB	717	622	0.05%	0.004%
27	8.691	1119	1127	1138	rVV	224274	434314	35.43%	2.938%
28	8.929	1160	1166	1173	rBV2	7809	15404	1.26%	0.104%
29	9.124	1189	1198	1206	rBV	171472	346188	28.24%	2.342%
30	9.520	1256	1263	1267	rBV3	1227	2283	0.19%	0.015%
31	9.606	1274	1277	1280	rBV2	602	852	0.07%	0.006%
32	9.764	1299	1303	1305	rVB3	514	521	0.04%	0.004%
33	9.892	1315	1324	1332	rBV	102432	178073	14.53%	1.205%
34	10.075	1347	1354	1358	rBV3	969	1499	0.12%	0.010%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Title : VOC Analysis

35	10.179	1362	1371	1378	rBV	288948	501387	40.90%	3.392%
36	10.246	1378	1382	1388	rVB	16705	28022	2.29%	0.190%
37	10.350	1393	1399	1400	rBV5	1154	1756	0.14%	0.012%
38	10.441	1406	1414	1420	rBV	68968	116786	9.53%	0.790%
39	10.520	1423	1427	1431	rVB3	3107	4440	0.36%	0.030%
40	10.581	1431	1437	1444	rBV2	24307	45068	3.68%	0.305%
41	10.715	1454	1459	1463	rVB5	1928	2551	0.21%	0.017%
42	10.788	1463	1471	1480	rBV	125652	199511	16.28%	1.350%
43	10.898	1484	1489	1492	rBV4	1605	3030	0.25%	0.020%
44	10.953	1493	1498	1505	rVV2	16403	33254	2.71%	0.225%
45	11.038	1509	1512	1516	rVB2	5036	6623	0.54%	0.045%
46	11.093	1516	1521	1527	rVB2	11792	19590	1.60%	0.133%
47	11.148	1527	1530	1533	rVB4	1854	2311	0.19%	0.016%
48	11.197	1534	1538	1543	rVB4	4617	8150	0.66%	0.055%
49	11.252	1543	1547	1549	rBV3	1499	2283	0.19%	0.015%
50	11.319	1549	1558	1564	rVB3	18279	46163	3.77%	0.312%
51	11.380	1564	1568	1572	rVB2	3240	4634	0.38%	0.031%
52	11.490	1579	1586	1596	rBV	231965	378422	30.87%	2.560%
53	11.587	1596	1602	1605	rBV5	4313	7982	0.65%	0.054%
54	11.624	1605	1608	1612	rVB4	6373	8846	0.72%	0.060%
55	11.703	1612	1621	1623	rBV4	11055	29239	2.39%	0.198%
56	11.733	1624	1626	1631	rVB3	7639	11007	0.90%	0.074%
57	11.843	1639	1644	1648	rBV4	5655	11496	0.94%	0.078%
58	12.008	1662	1671	1673	rBV4	21503	51772	4.22%	0.350%
59	12.093	1681	1685	1686	rBV4	3236	4326	0.35%	0.029%
60	12.118	1687	1689	1694	rVB2	10275	12888	1.05%	0.087%
61	12.160	1694	1696	1697	rBV2	3663	2990	0.24%	0.020%
62	12.203	1698	1703	1705	rBV2	23877	37422	3.05%	0.253%
63	12.331	1719	1724	1728	rBV3	11571	19567	1.60%	0.132%
64	12.489	1744	1750	1754	rBV	30731	50746	4.14%	0.343%
65	12.563	1756	1762	1768	rVV	127070	207179	16.90%	1.401%
66	12.642	1770	1775	1783	rVB2	64261	116122	9.47%	0.786%
67	12.733	1783	1790	1793	rBV3	38915	74247	6.06%	0.502%
68	12.813	1797	1803	1808	rVV2	88989	155732	12.70%	1.053%
69	12.971	1821	1829	1837	rBV2	60432	131496	10.73%	0.890%
70	13.038	1837	1840	1848	rVB5	30408	55354	4.52%	0.374%
71	13.117	1848	1853	1858	rBV	119931	190256	15.52%	1.287%

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72	13.251	1872	1875	1879	rVB3	24124	32337	2.64%	0.219%
73	13.312	1881	1885	1890	rVB2	53126	83327	6.80%	0.564%
74	13.422	1899	1903	1906	rBV	108994	167793	13.69%	1.135%
75	13.568	1923	1927	1929	rBV2	32689	49709	4.06%	0.336%
76	13.623	1932	1936	1939	rBV	100121	139367	11.37%	0.943%
77	13.660	1939	1942	1947	rVB2	145579	203505	16.60%	1.377%
78	13.727	1948	1953	1955	rBV	111735	211614	17.26%	1.431%
79	13.818	1965	1968	1972	rBV	52151	67499	5.51%	0.457%
80	13.885	1975	1979	1981	rBV	113236	158715	12.95%	1.074%
81	13.971	1989	1993	1998	rVB	187418	262427	21.41%	1.775%
82	14.081	2006	2011	2015	rVB	209268	319005	26.02%	2.158%
83	14.129	2016	2019	2027	rVB5	59346	140316	11.45%	0.949%
84	14.215	2028	2033	2036	rBV2	83386	142405	11.62%	0.963%
85	14.257	2036	2040	2043	rVV2	98349	168240	13.73%	1.138%
86	14.294	2043	2046	2049	rVV	170590	254334	20.75%	1.720%
87	14.337	2049	2053	2057	rVB	262004	368297	30.05%	2.491%
88	14.379	2057	2060	2063	rBV	109559	148768	12.14%	1.006%
89	14.422	2063	2067	2074	rVB3	183714	290773	23.72%	1.967%
90	14.568	2087	2091	2095	rBV2	106063	177654	14.49%	1.202%
91	14.611	2095	2098	2102	rVB	163568	212613	17.35%	1.438%
92	14.672	2103	2108	2115	rBV2	582926	1225781	100.00%	8.292%
93	14.733	2115	2118	2124	rVB3	123854	196561	16.04%	1.330%
94	14.946	2148	2153	2156	rBV2	309026	545303	44.49%	3.689%
95	15.056	2165	2171	2178	rVB2	393510	827771	67.53%	5.599%
96	15.208	2190	2196	2205	rBV5	130124	464214	37.87%	3.140%
97	15.525	2243	2248	2255	rBV	251063	492824	40.20%	3.334%
98	15.879	2301	2306	2312	rBV3	234512	541426	44.17%	3.662%
99	16.287	2369	2373	2378	rVB	283394	471790	38.49%	3.191%
100	16.483	2399	2405	2419	rVB4	417255	1090503	88.96%	7.377%

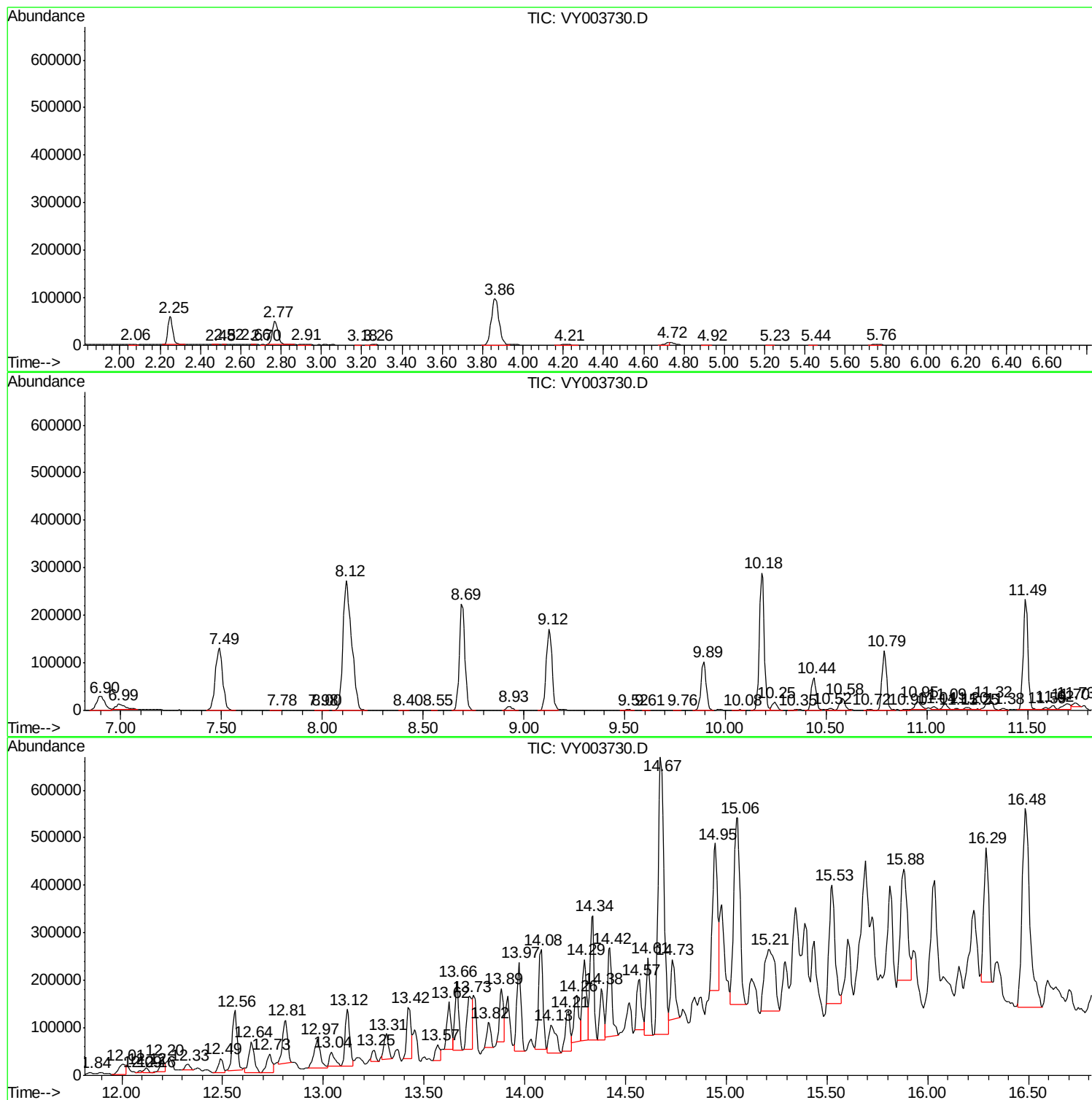
Sum of corrected areas: 14782976

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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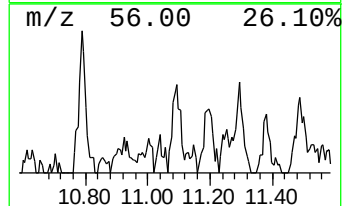
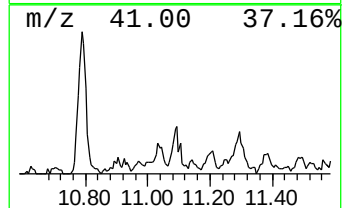
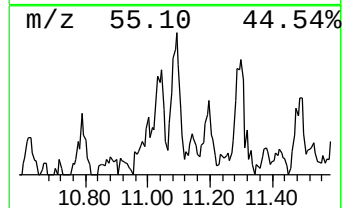
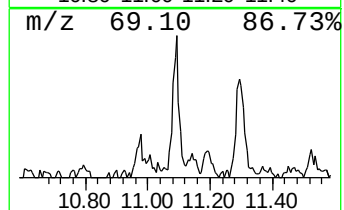
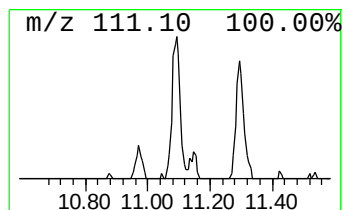
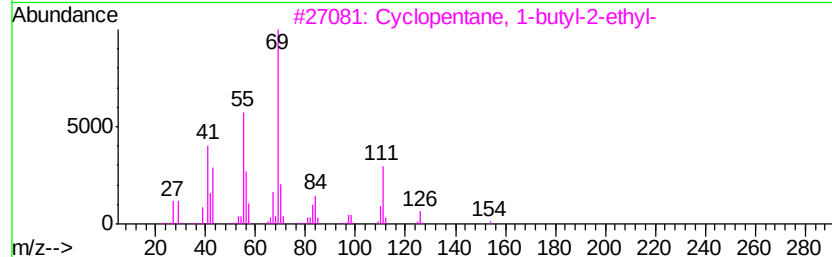
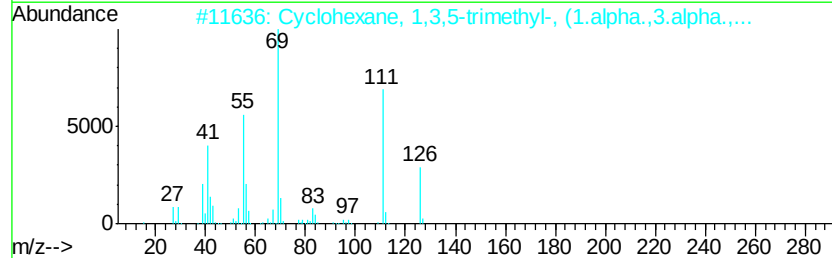
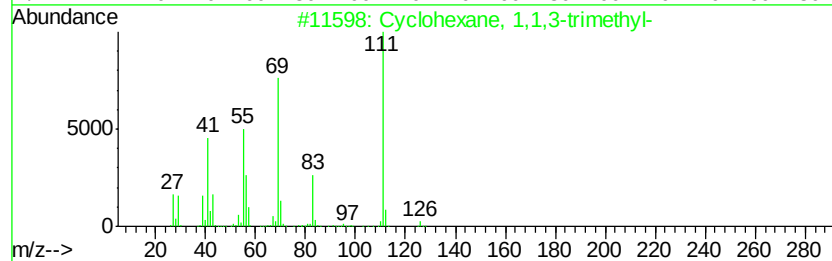
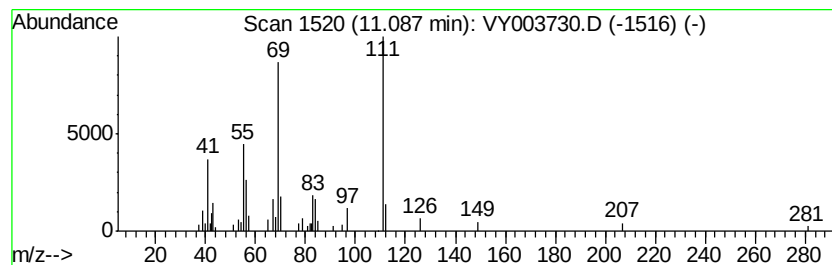
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Cyclic11.09 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.09	1.29 ug/L	19590	Chlorobenzene-d5	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
2	Cvclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	72
3	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	72
4	1,1,4-Trimethylcvclohexane	126	C9H18	007094-27-1	64
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64



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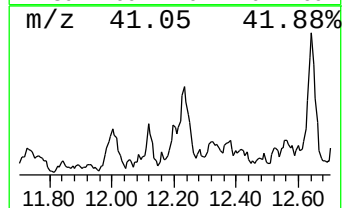
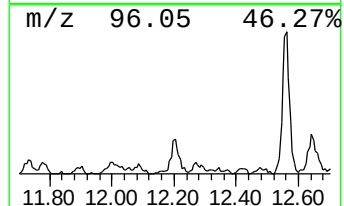
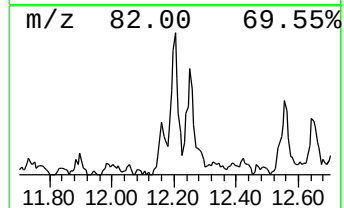
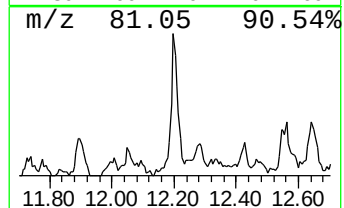
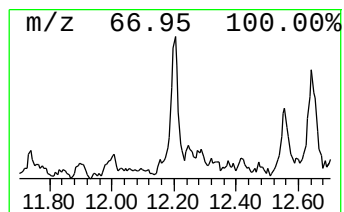
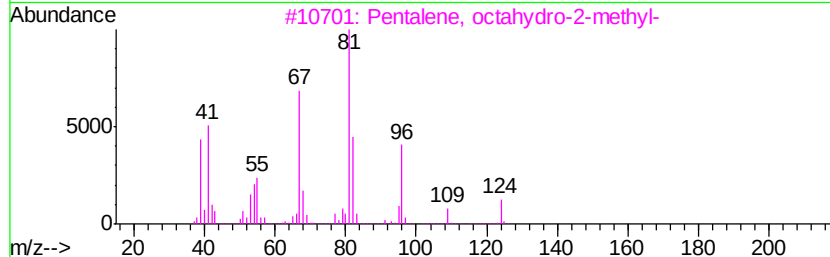
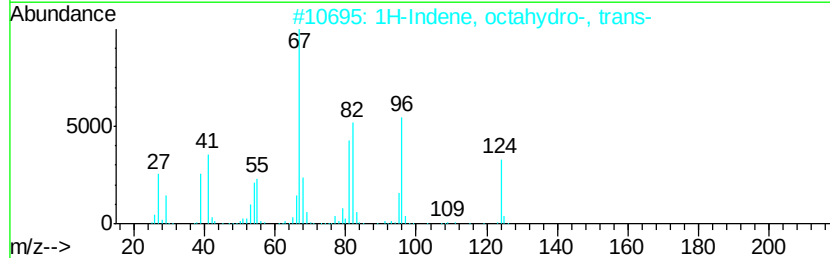
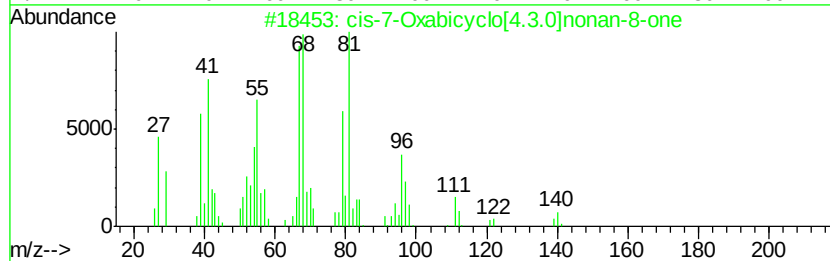
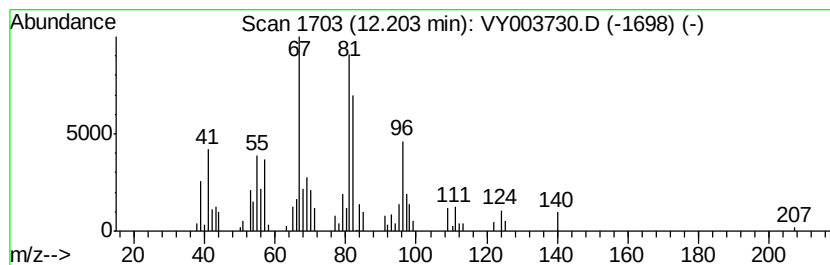
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown hydrocarbon Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.47 ug/L	37422	Chlorobenzene-d5	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-7-Oxabicyclo[4.3.0]nonan-8-one	140	C8H12O2	024871-12-3	76
2		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	49
3		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46
4		Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	46
5		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	43



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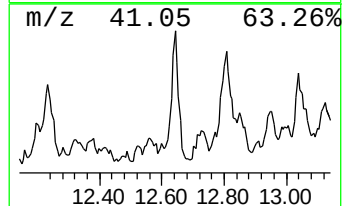
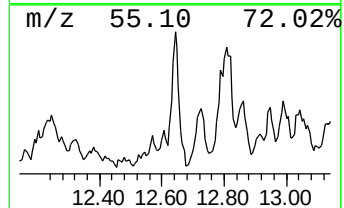
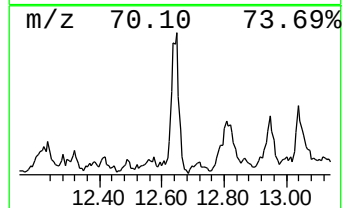
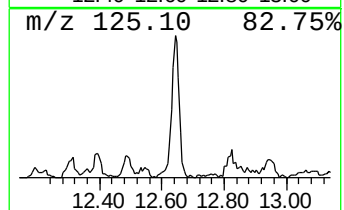
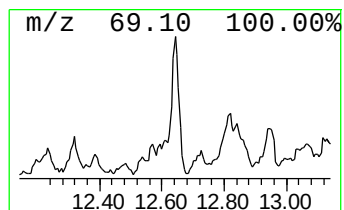
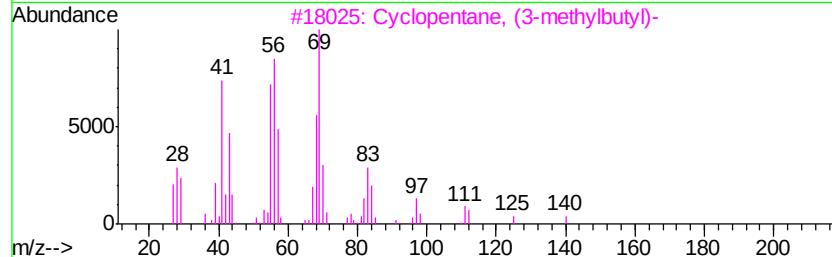
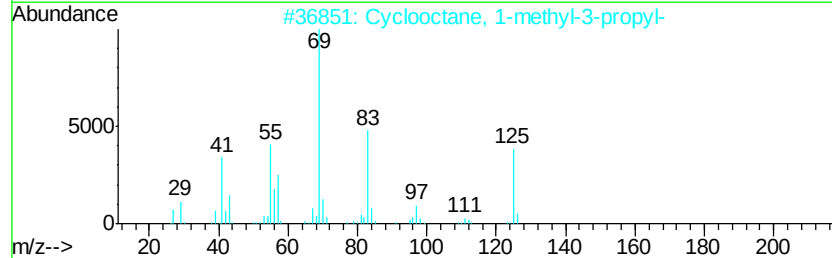
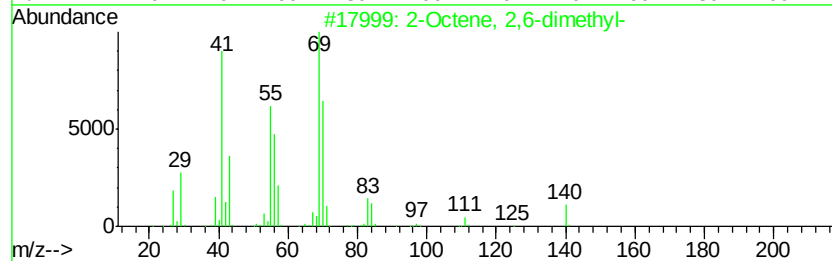
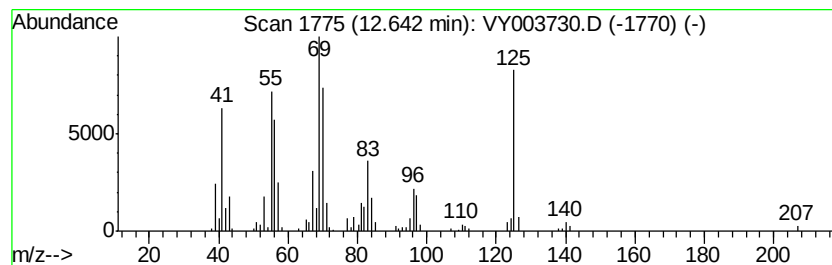
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	17.30 ug/L	116122	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
2		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
3		Cyclopentane, (3-methylbutyl)-	140	C10H20	001005-68-1	46
4		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	43
5		Cyclopentane, pentyl-	140	C10H20	003741-00-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

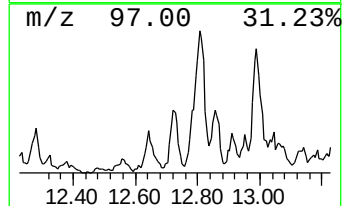
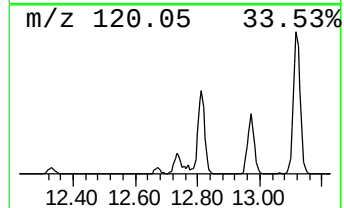
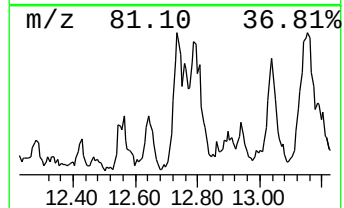
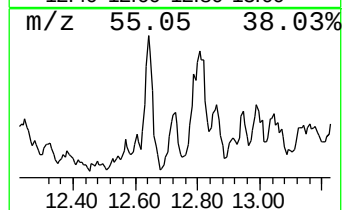
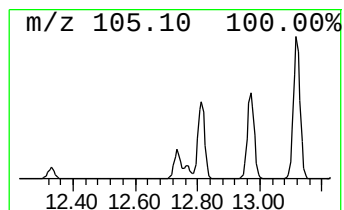
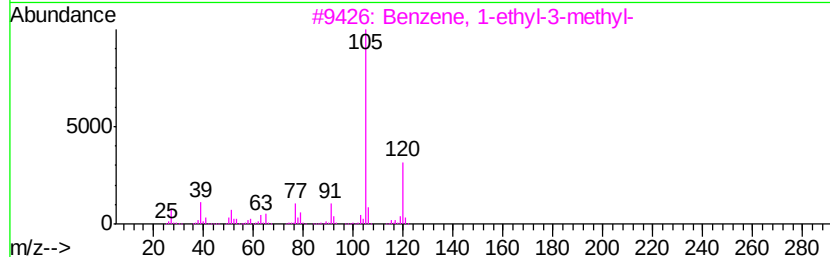
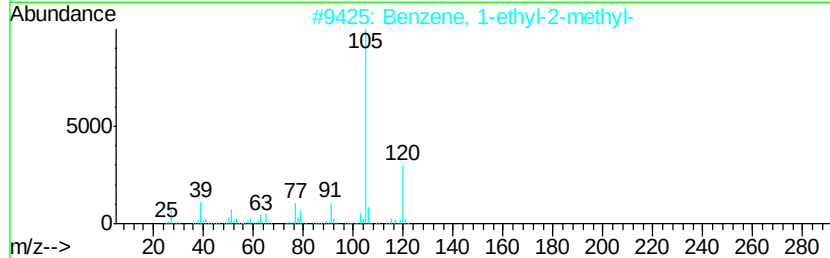
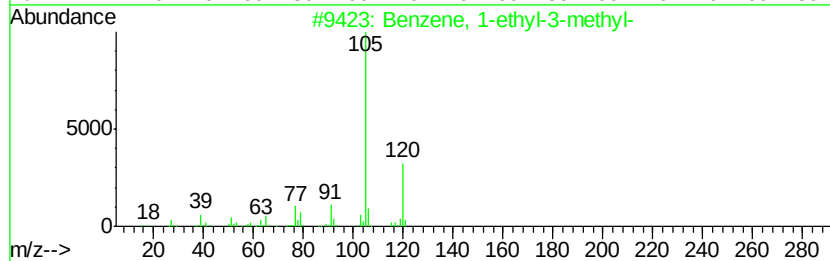
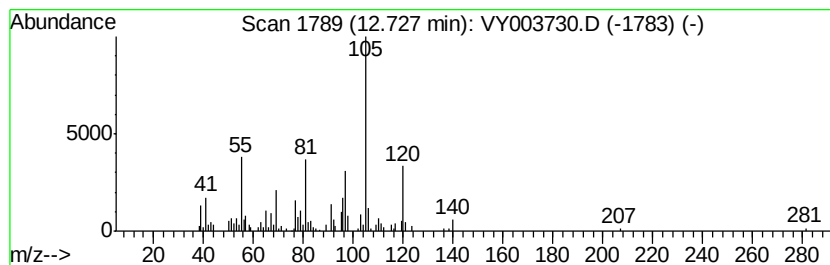
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	11.06 ug/L	74247	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

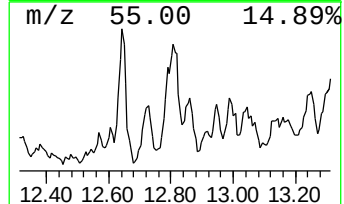
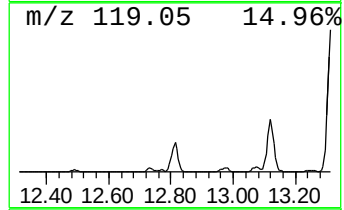
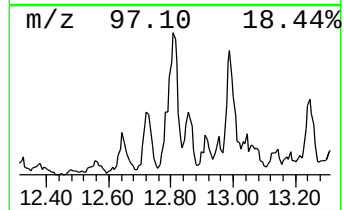
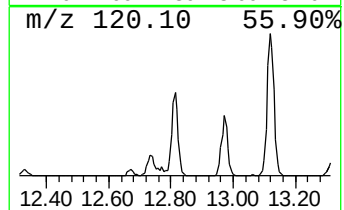
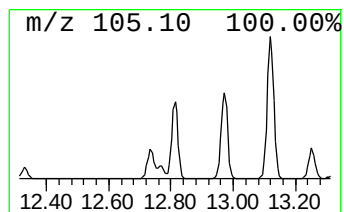
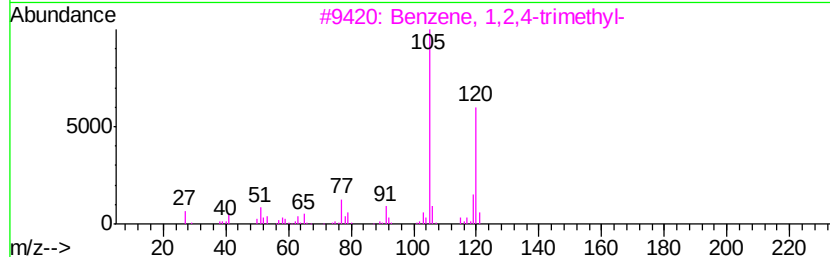
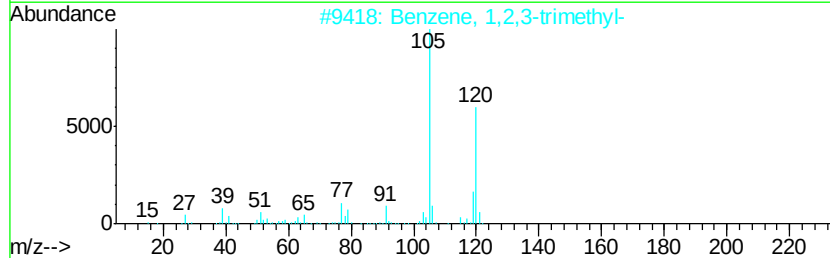
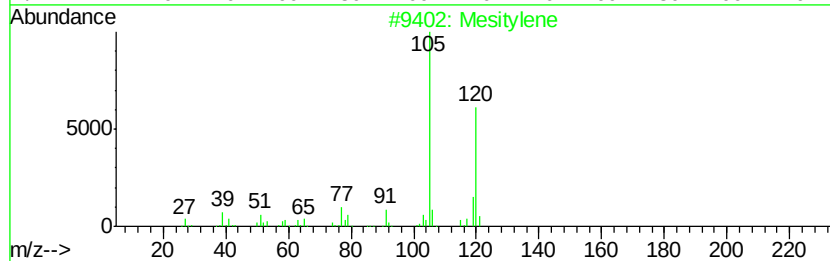
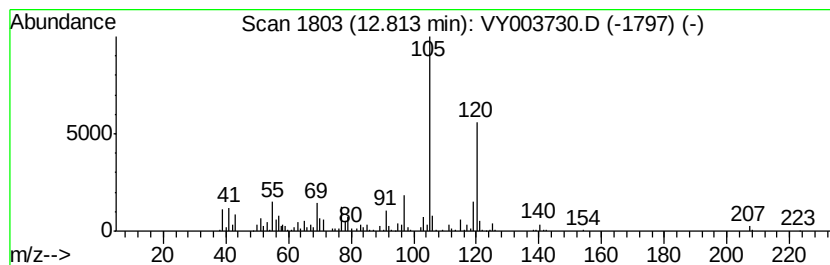
Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Mesitylene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	23.20 ug/L	155732	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Mesitylene	120 C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6	94
4	Mesitylene	120 C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

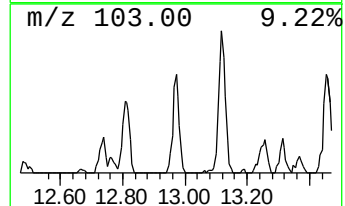
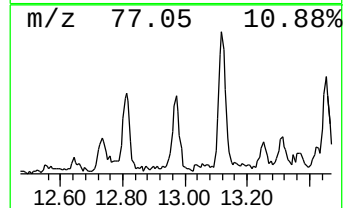
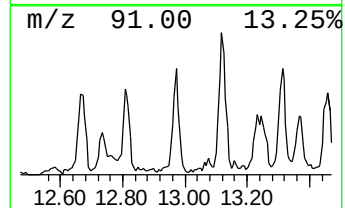
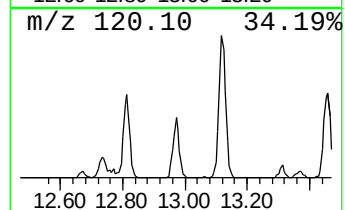
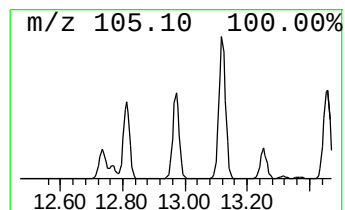
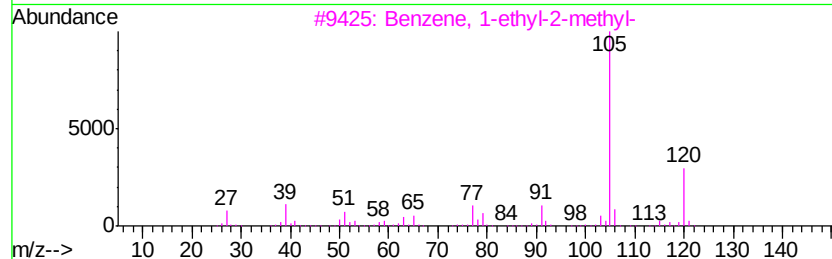
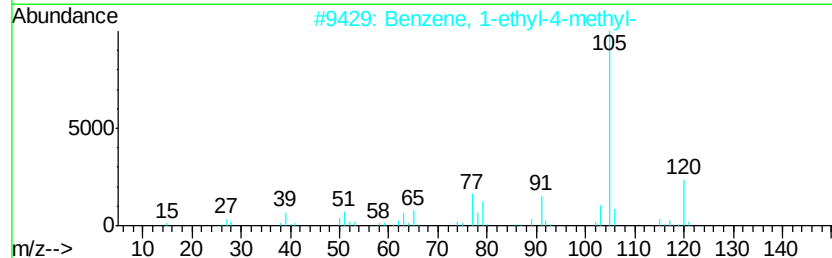
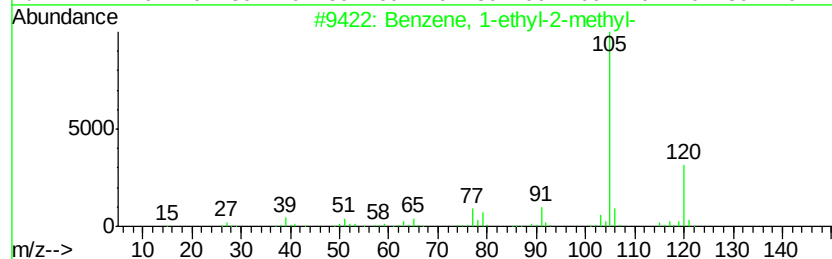
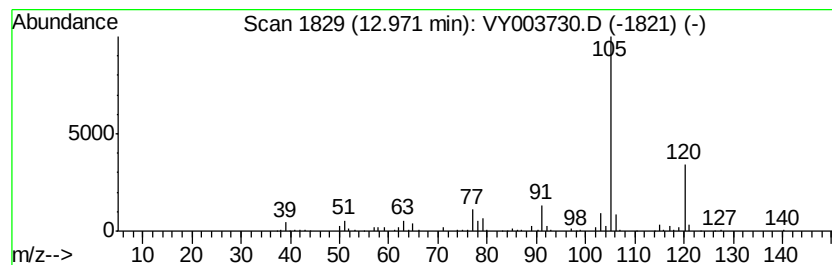
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	19.59 ug/L	131496	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4		Mesitylene	120	C9H12	000108-67-8	90
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

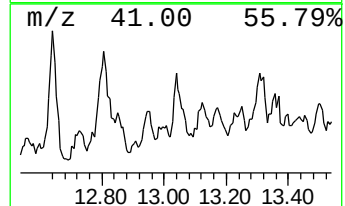
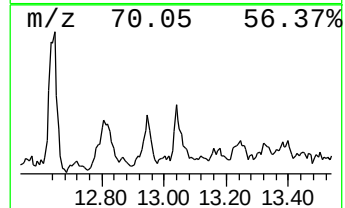
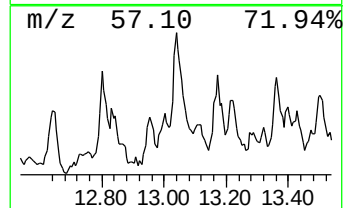
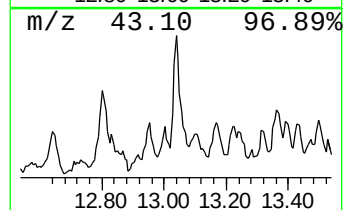
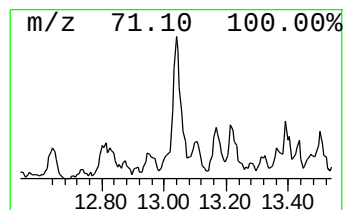
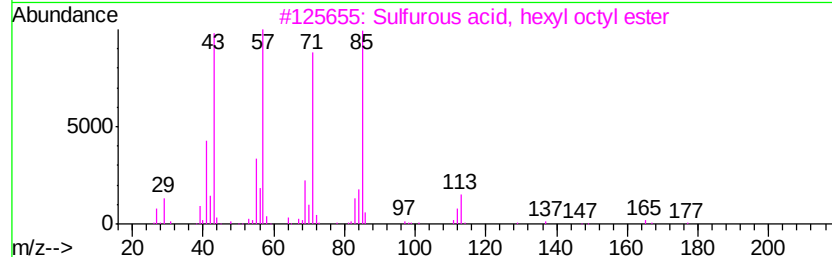
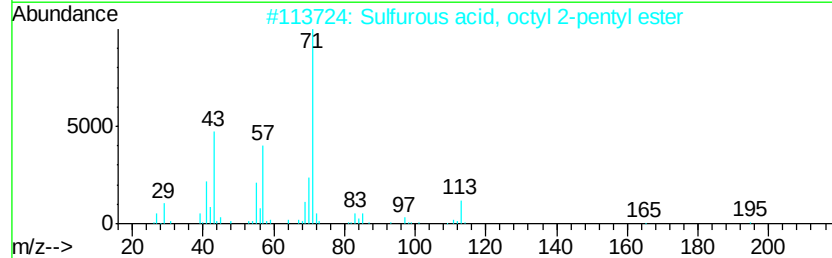
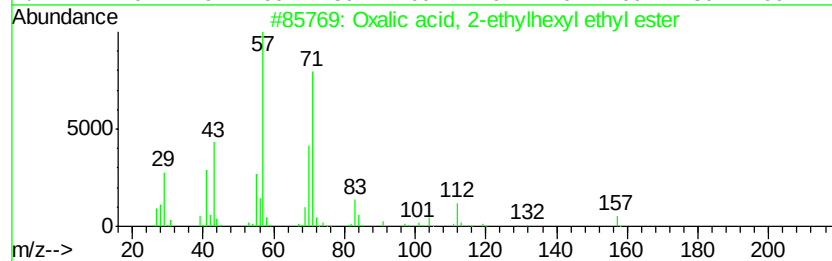
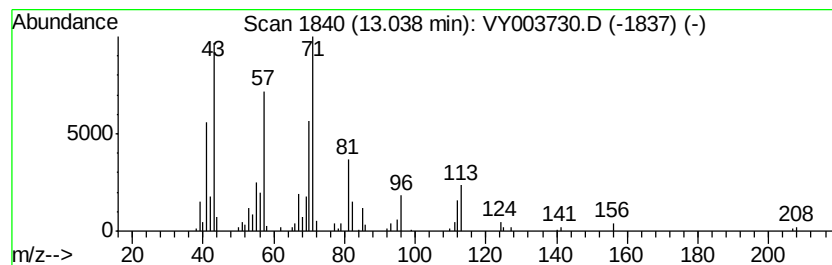
Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Oxalic acid, 2-ethylhexyl e... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	8.25 ug/L	55354	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Oxalic acid, 2-ethylhexyl ethyl ...	230 C12H22O4	1000309-38-4 53
2		Sulfurous acid, octyl 2-pentyl e...	264 C13H28O3S	1000309-15-7 47
3		Sulfurous acid, hexyl octyl ester	278 C14H30O3S	1000309-13-0 47
4		3-Bromooctane	192 C8H17Br	000999-64-4 47
5		Octane, 3,3-dimethyl-	142 C10H22	004110-44-5 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

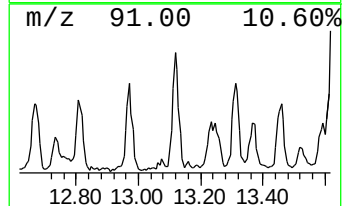
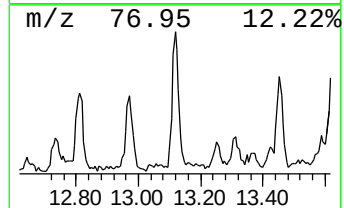
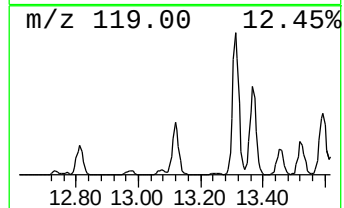
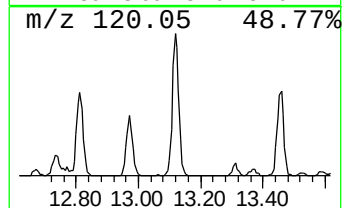
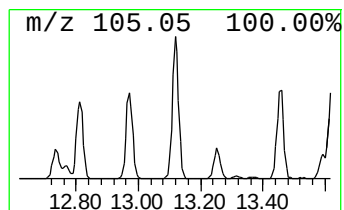
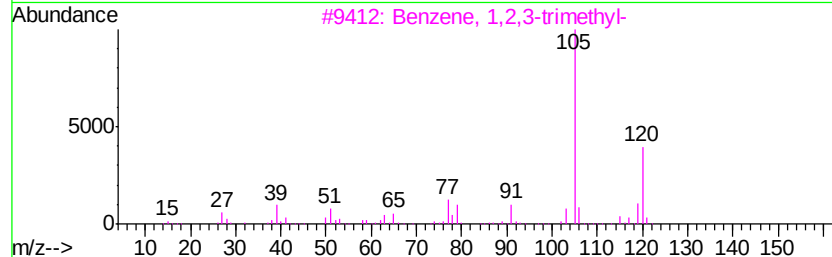
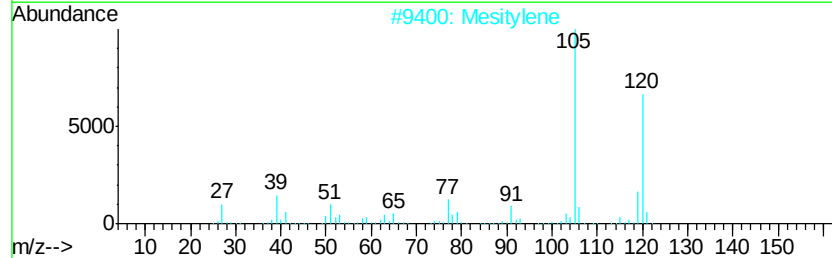
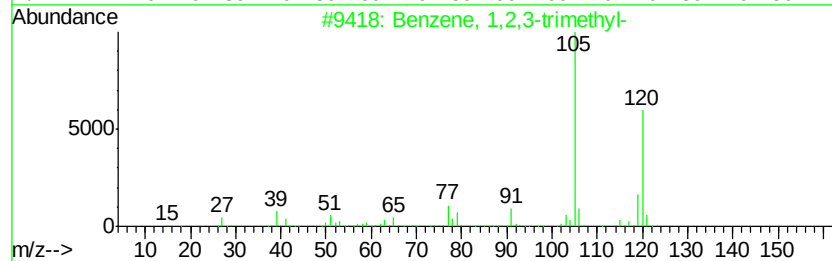
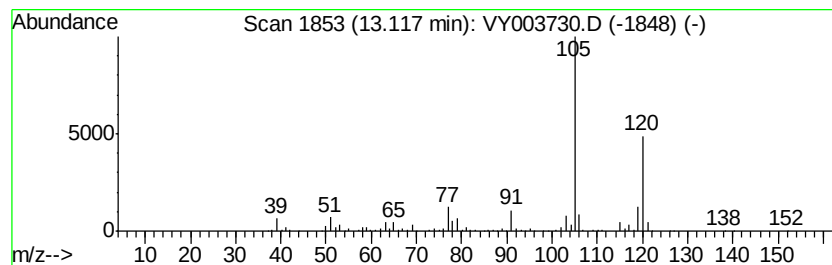
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	28.35 ug/L	190256	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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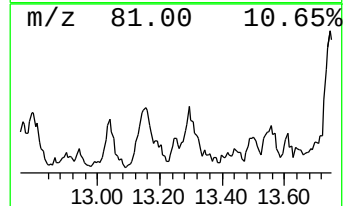
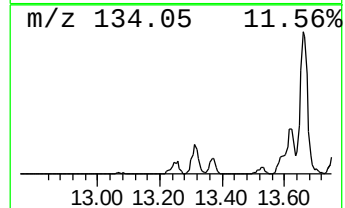
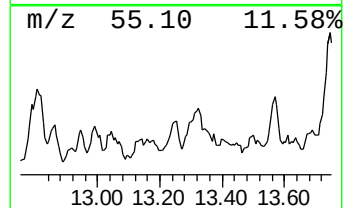
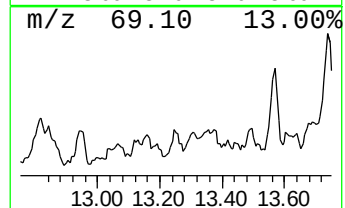
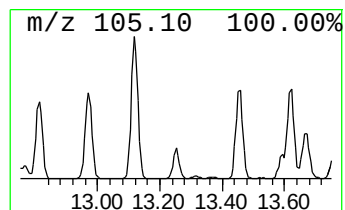
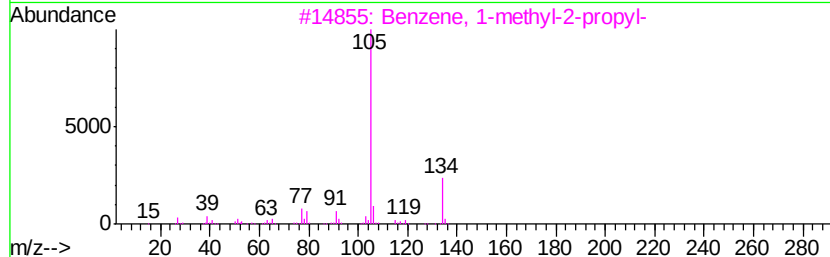
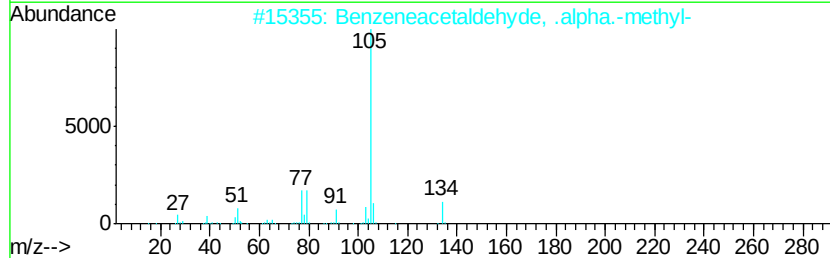
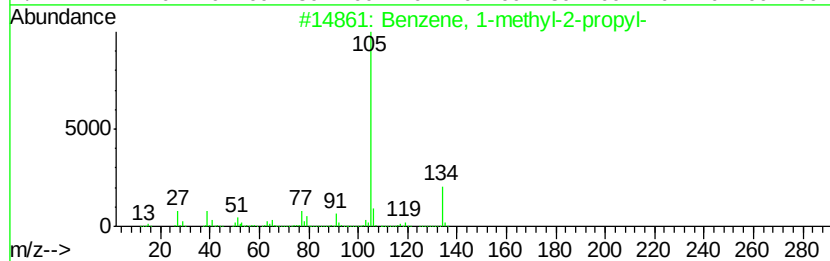
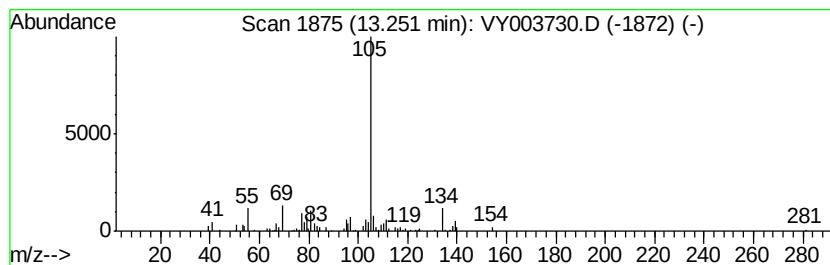
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown hydrocarbon Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	4.82 ug/L	32337	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	49
2		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	47
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	47
4		Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	46
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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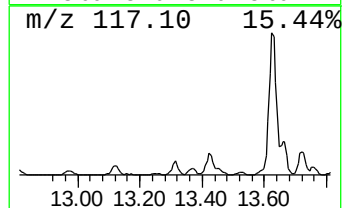
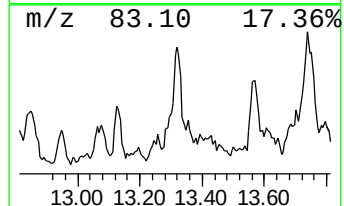
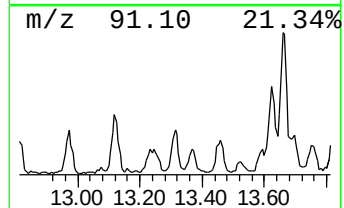
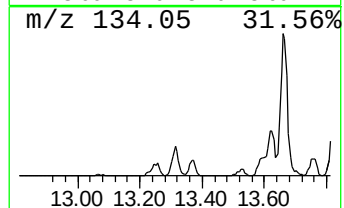
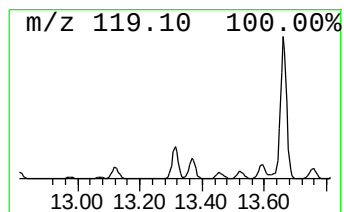
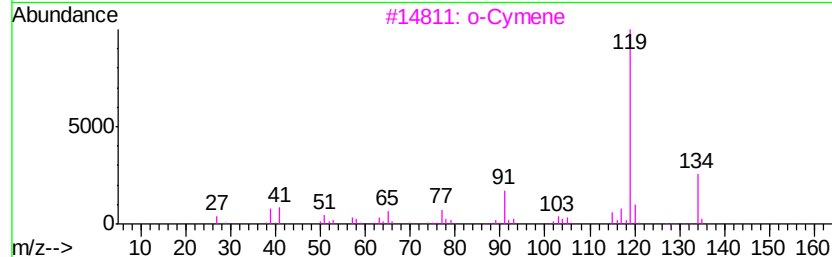
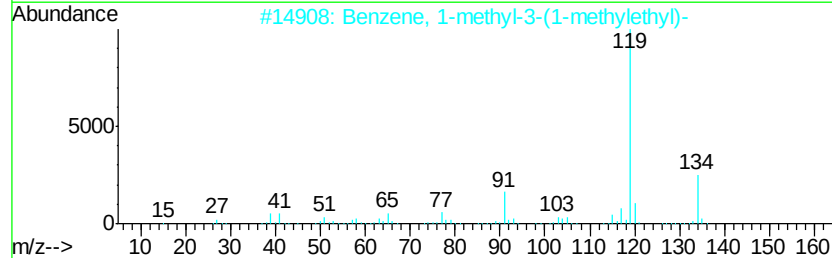
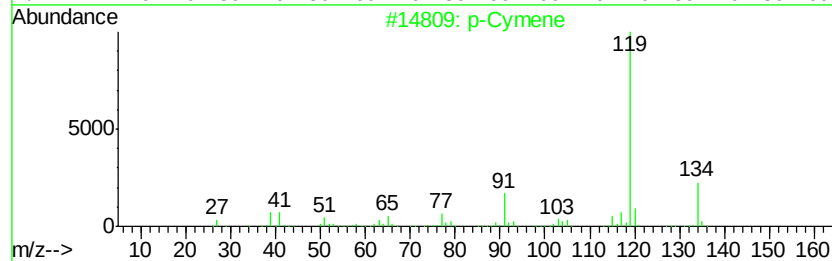
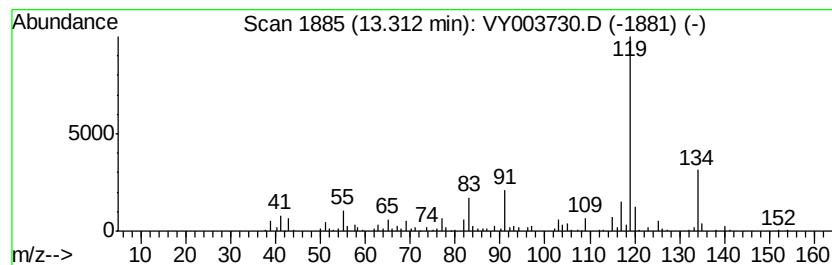
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 p-Cymene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	12.42 ug/L	83327	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	95
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		p-Cymene	134	C10H14	000099-87-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

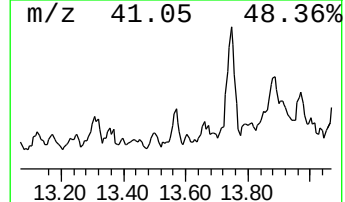
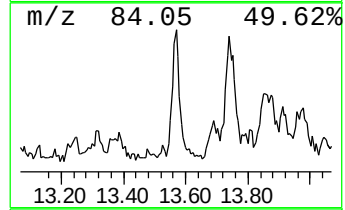
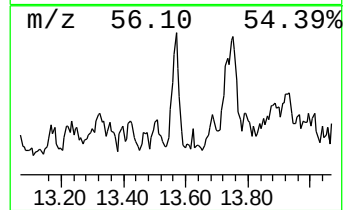
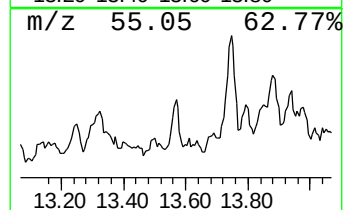
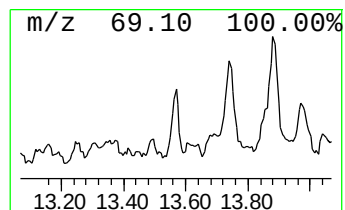
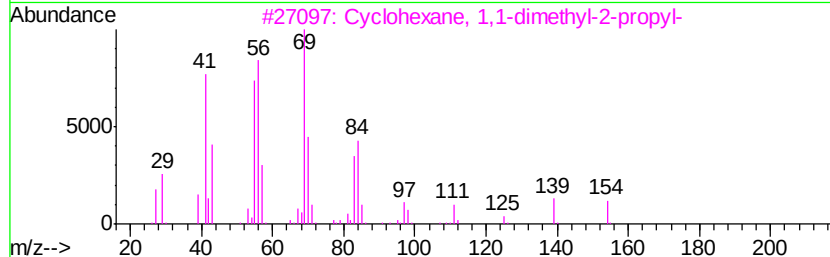
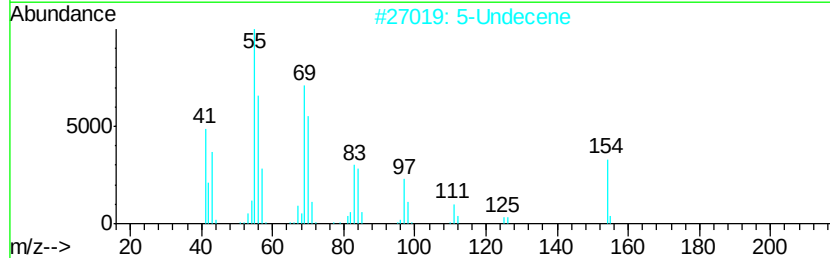
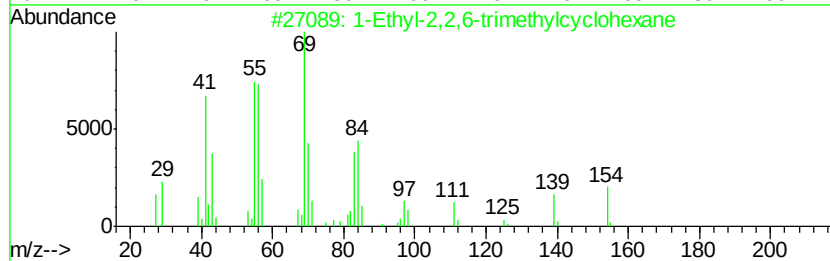
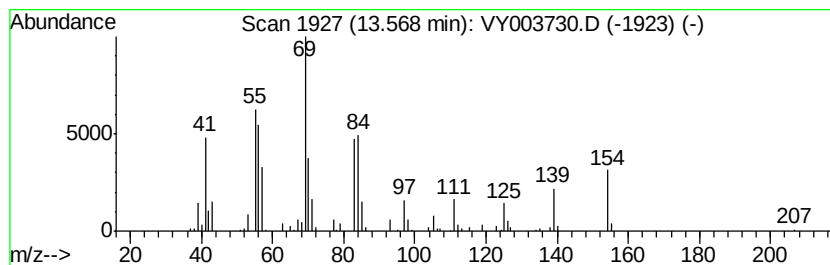
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown hydrocarbon Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	7.41 ug/L	49709	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	94
2		5-Undecene	154	C11H22	004941-53-1	83
3		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	72
4		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	64
5		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

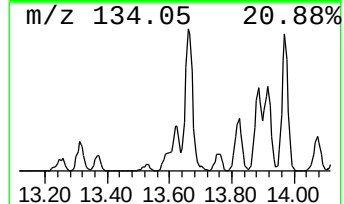
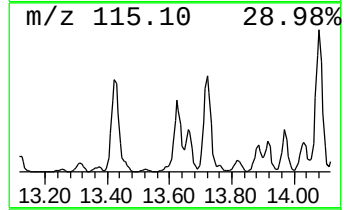
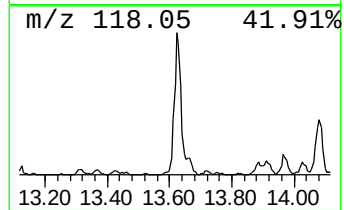
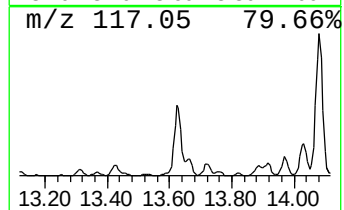
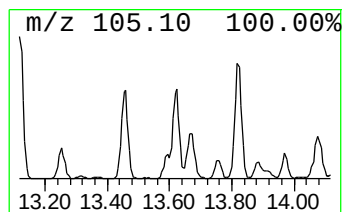
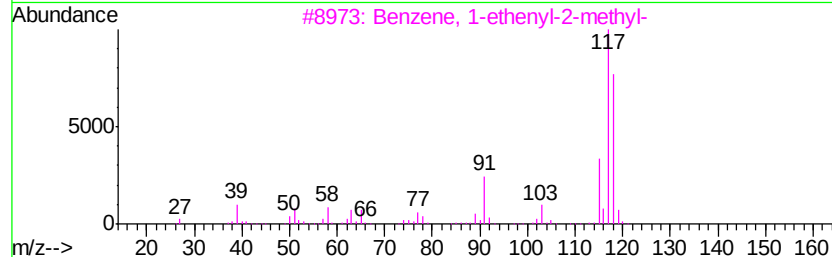
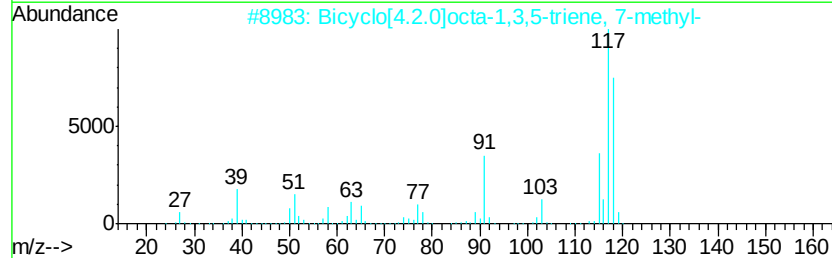
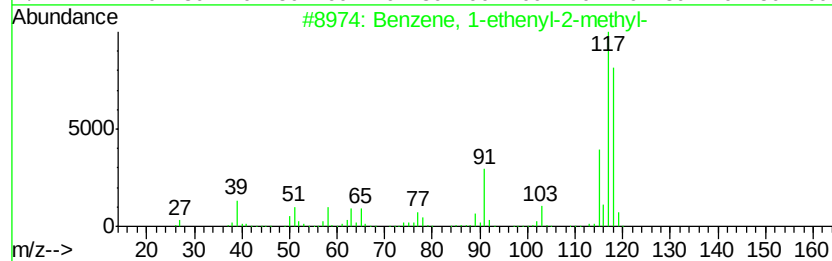
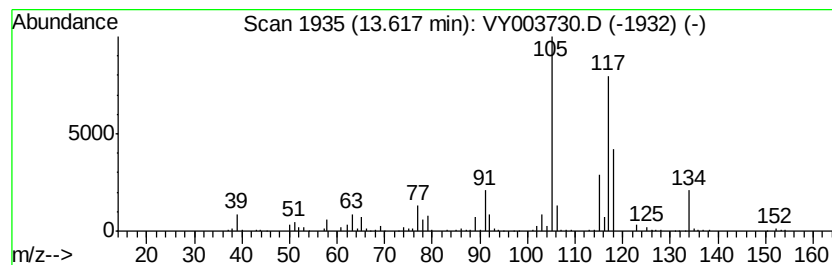
Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzene, 1-ethenyl-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	20.76 ug/L	139367	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4 92
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	118 C9H10	055337-80-9 70
3		Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4 64
4		Indane	118 C9H10	000496-11-7 64
5		Benzene, 2-propenyl-	118 C9H10	000300-57-2 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

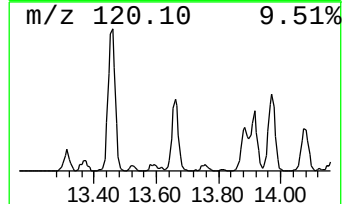
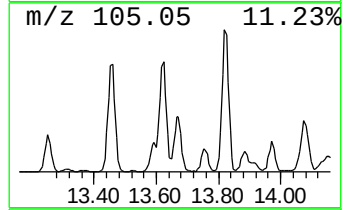
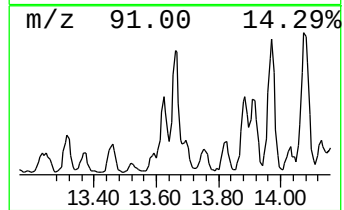
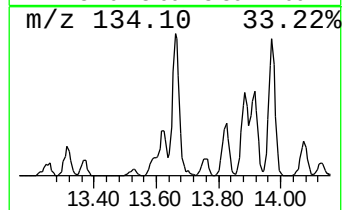
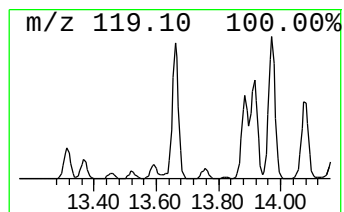
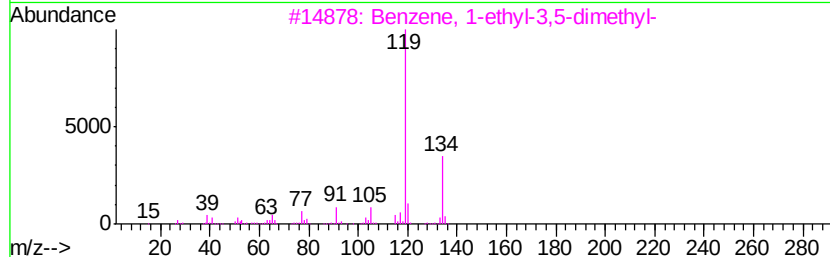
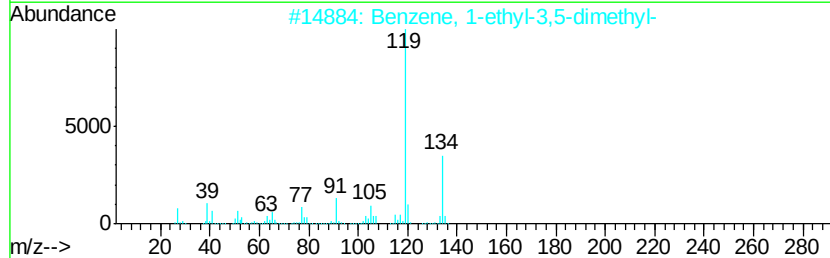
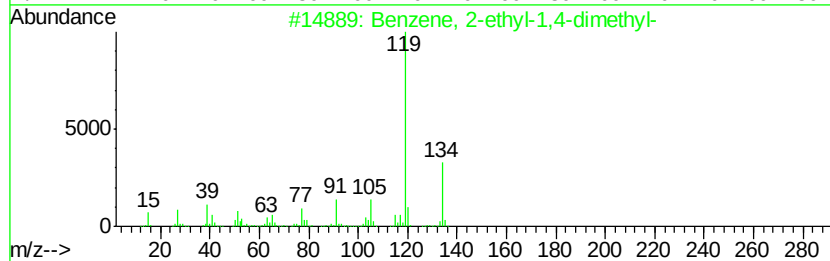
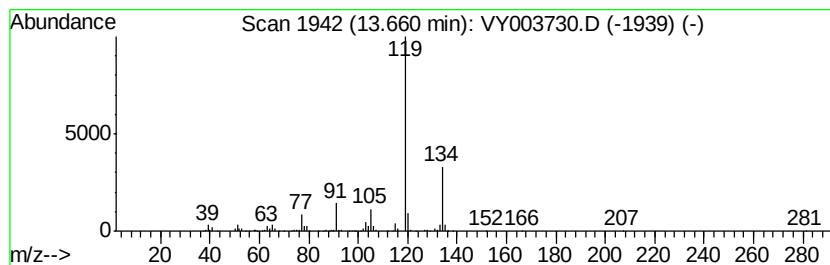
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	30.32 ug/L	203505	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9 91
2		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 91
3		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 91
4		Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5 91
5		Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

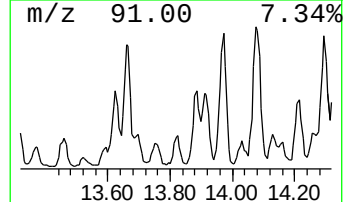
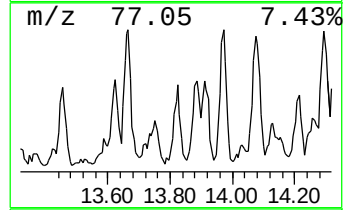
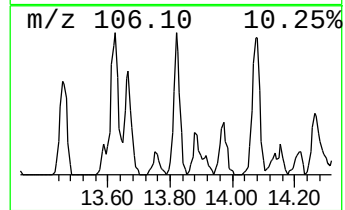
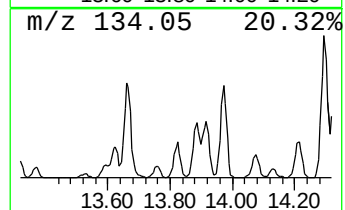
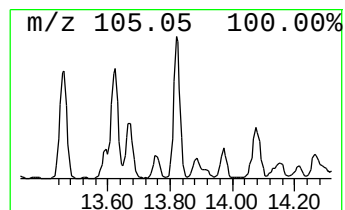
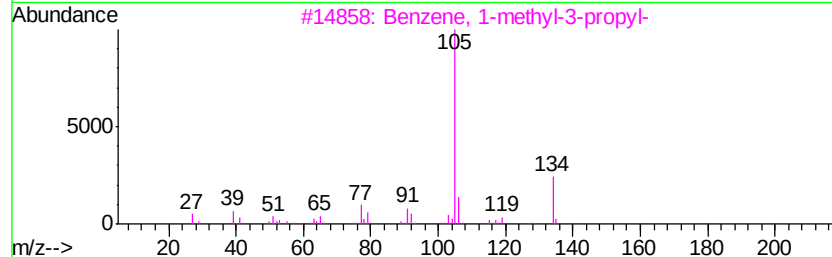
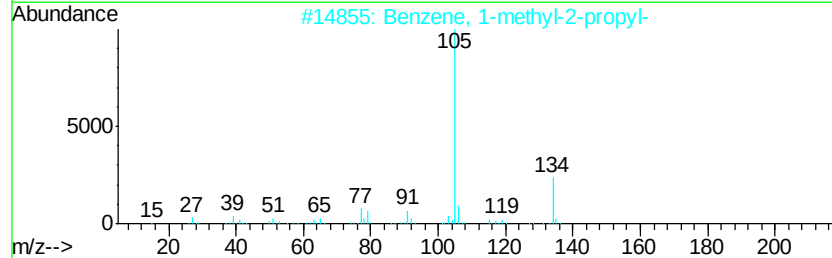
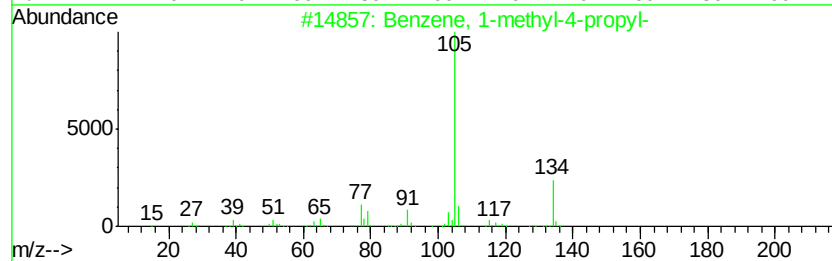
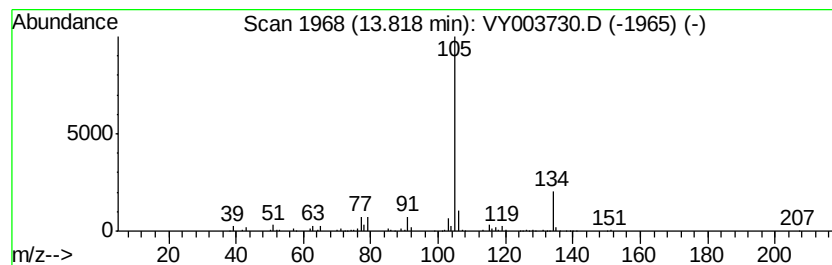
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.82	10.06 ug/L	67499	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,	1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene,	1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3	Benzene,	1-methyl-3-propyl-	134	C10H14	001074-43-7	90
4	Benzene,	1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5	Benzene,	(1-methylpropyl)-	134	C10H14	000135-98-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

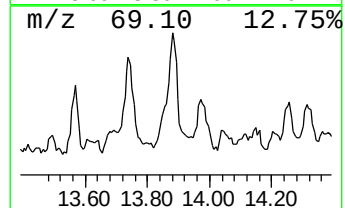
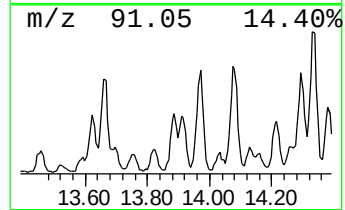
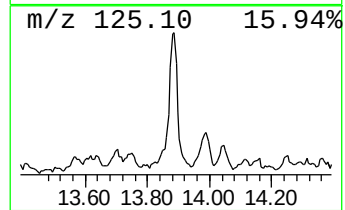
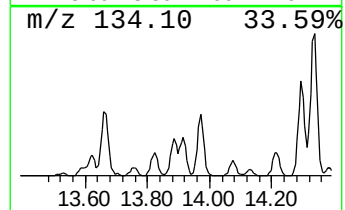
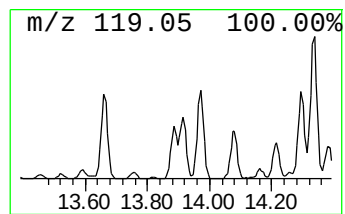
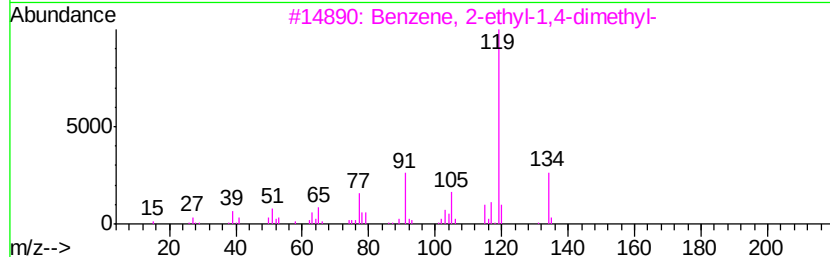
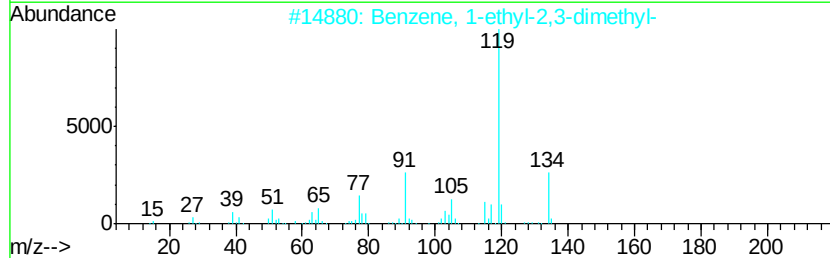
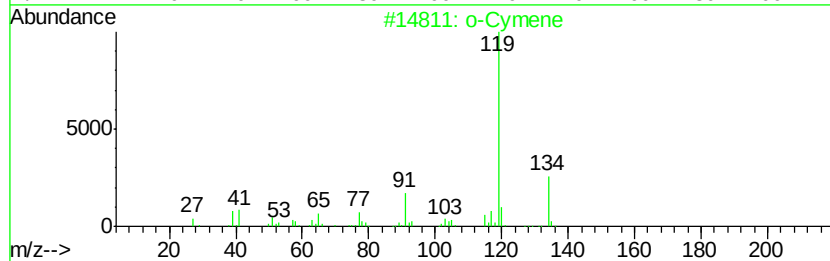
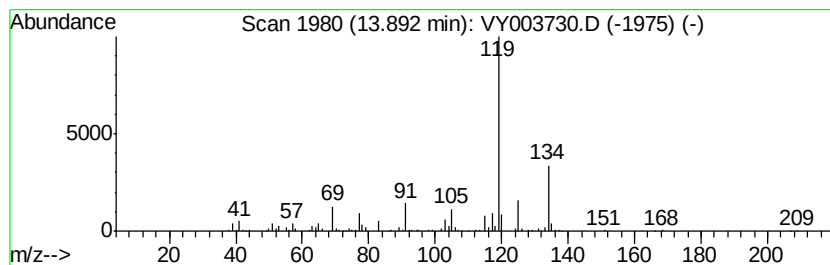
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	23.65 ug/L	158715	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

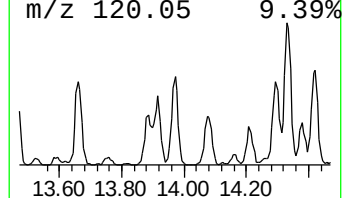
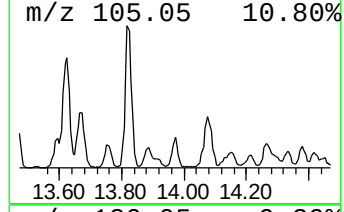
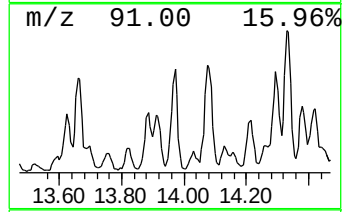
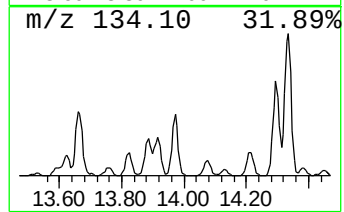
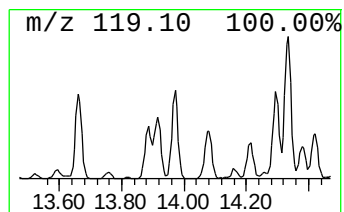
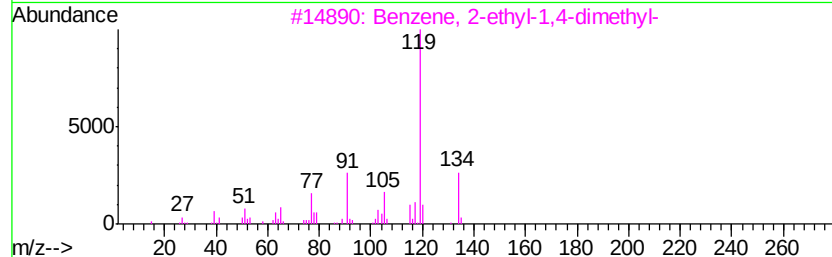
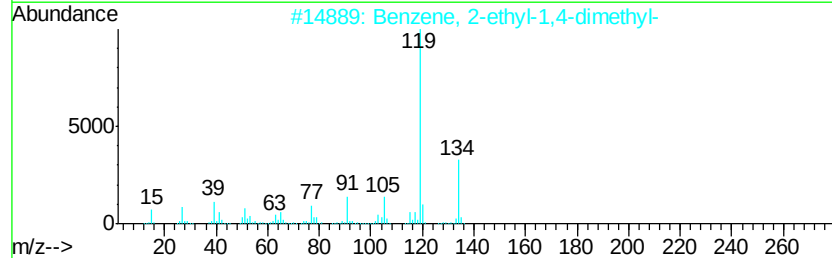
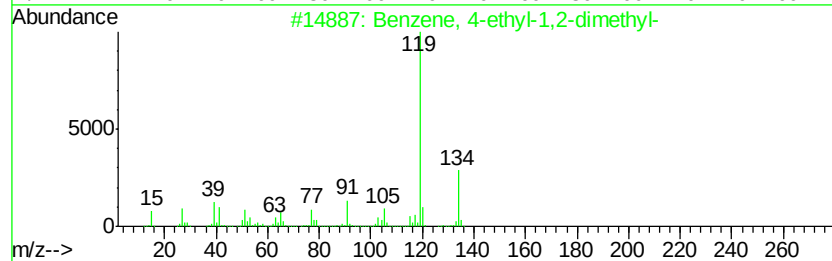
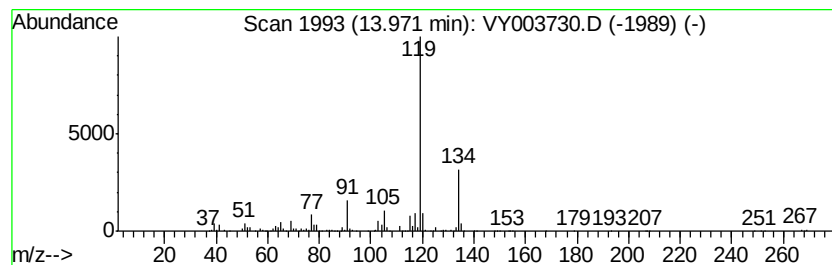
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	39.10 ug/L	262427	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

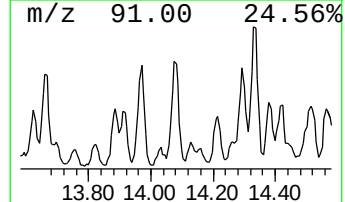
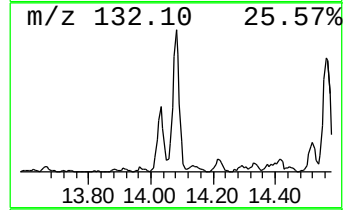
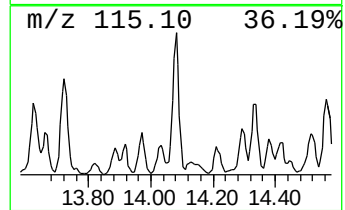
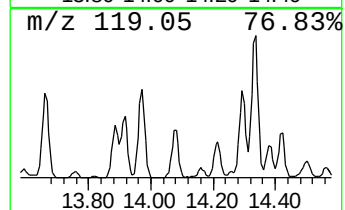
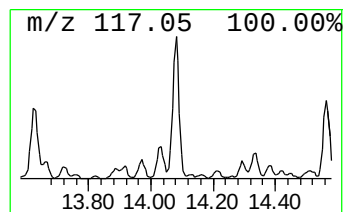
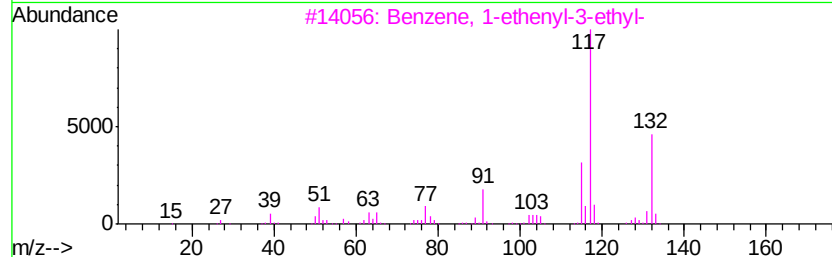
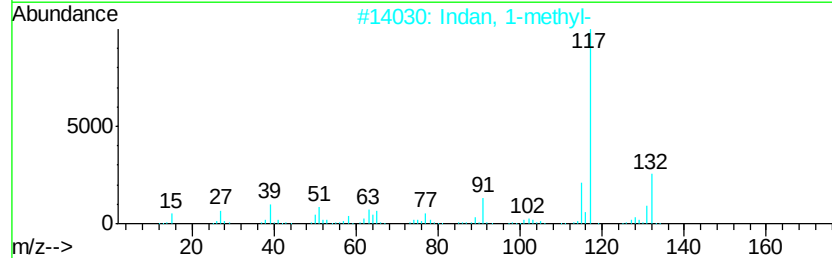
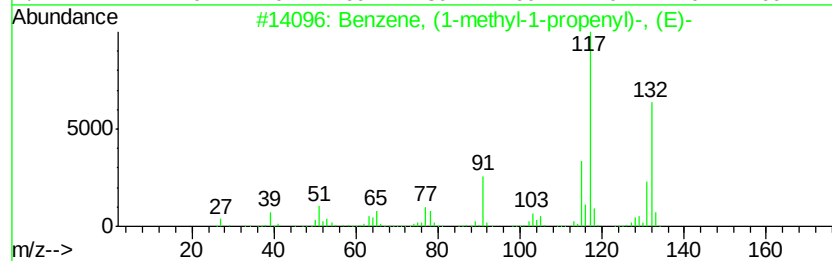
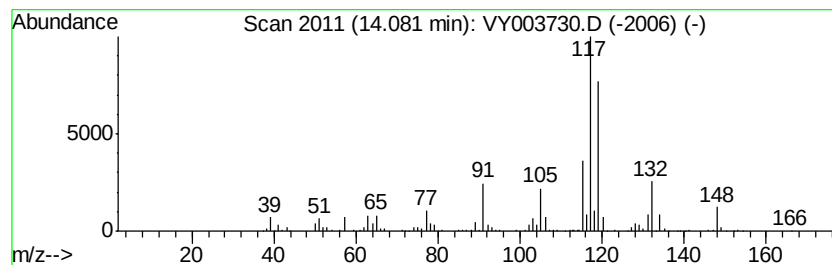
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 Benzene, (1-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	47.53 ug/L	319005	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
2		Indan, 1-methyl-	132	C10H12	000767-58-8	50
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	49
4		Indan, 1-methyl-	132	C10H12	000767-58-8	49
5		2,4-Dimethylstyrene	132	C10H12	002234-20-0	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

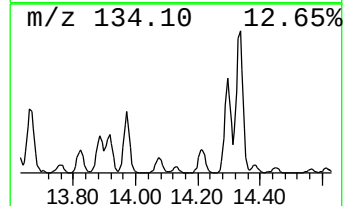
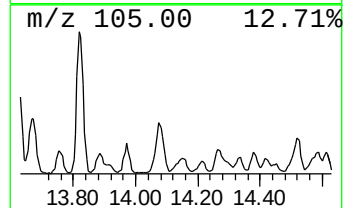
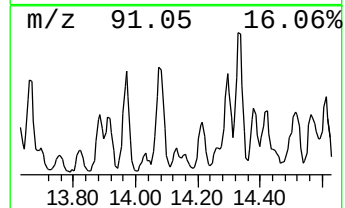
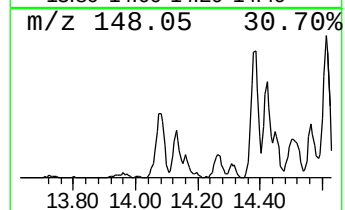
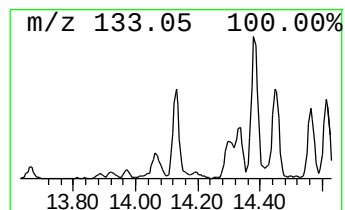
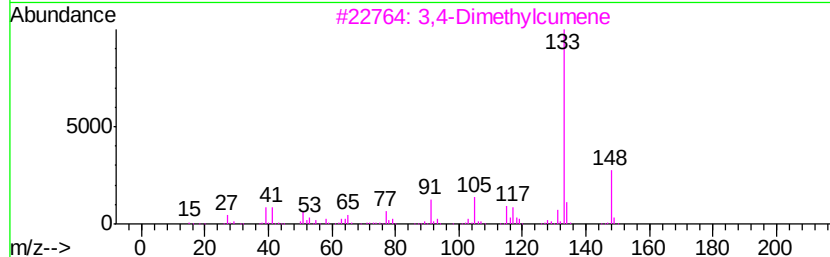
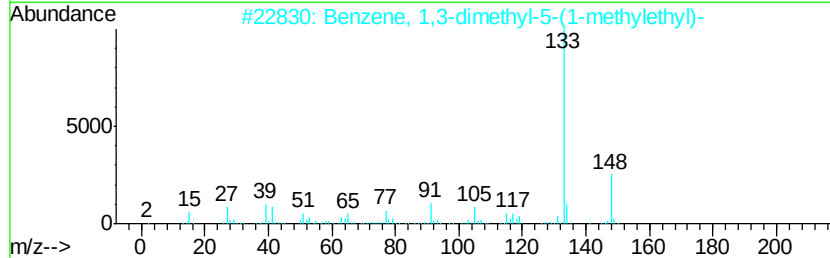
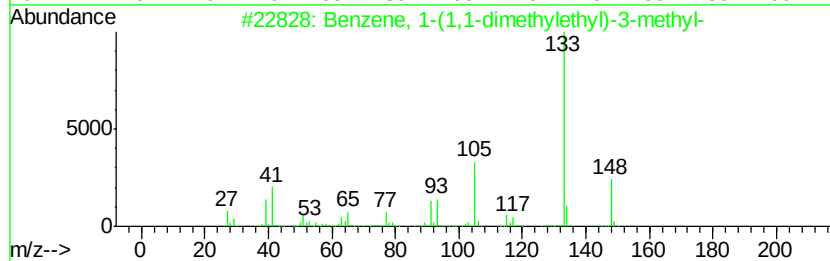
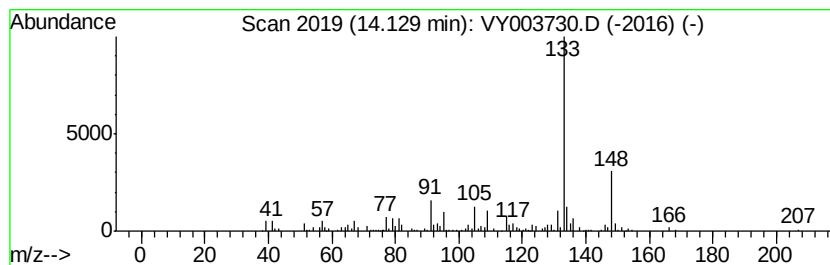
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 Benzene, 1-(1,1-dimethyleth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	20.91 ug/L	140316	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	76
2		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	76
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	68
4		Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	64
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

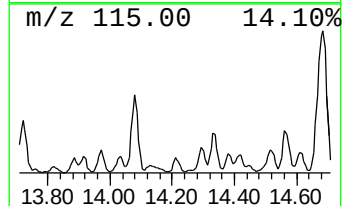
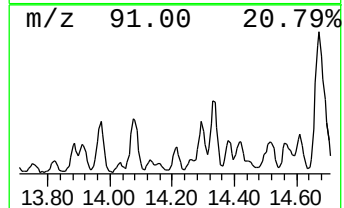
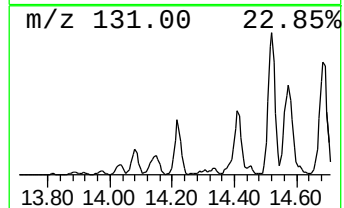
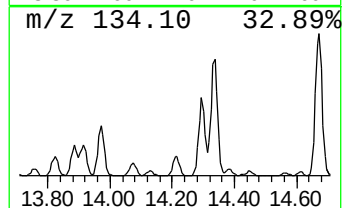
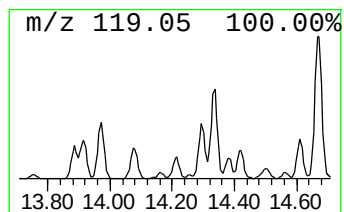
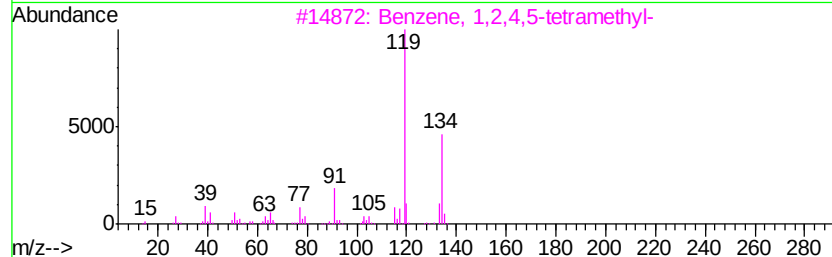
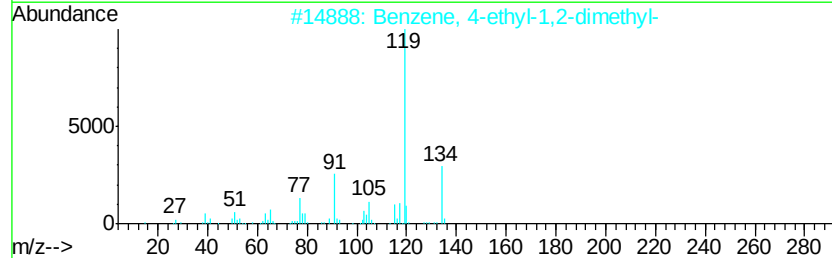
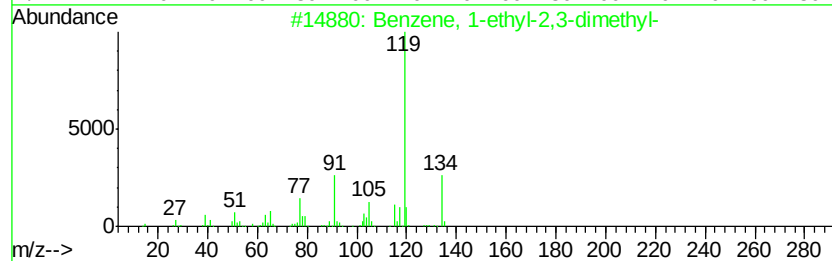
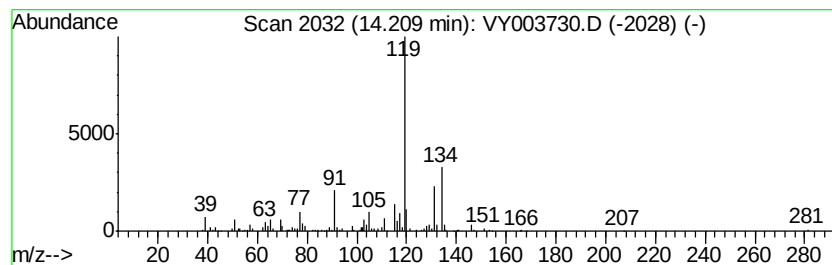
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	21.22 ug/L	142405	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

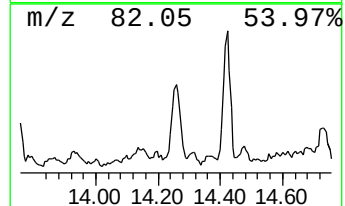
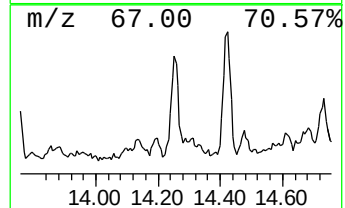
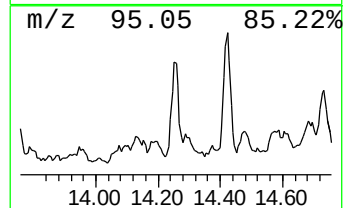
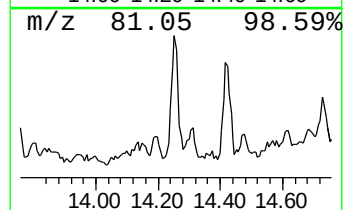
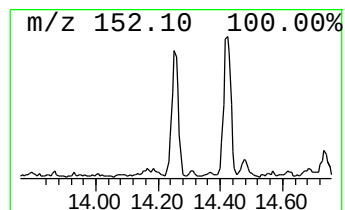
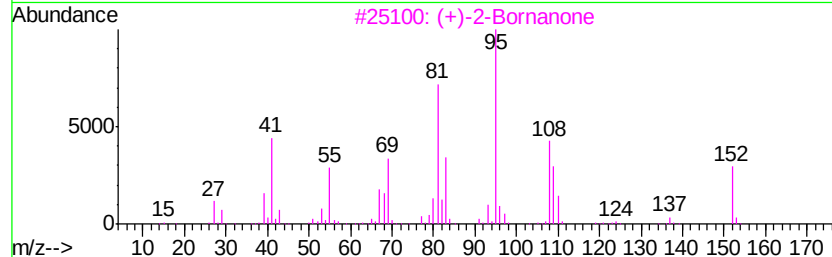
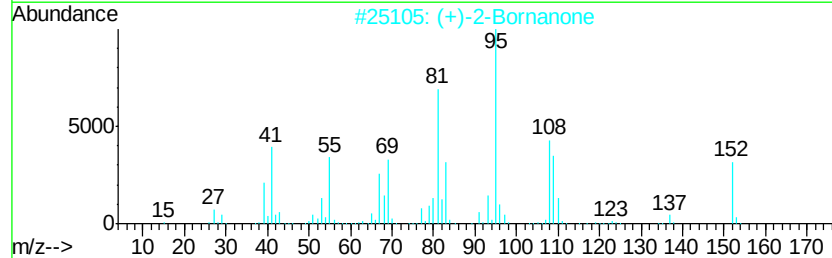
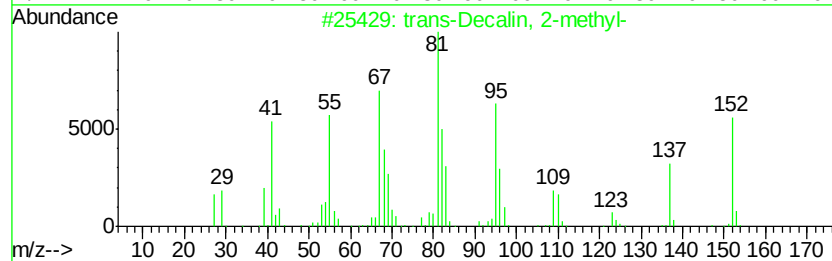
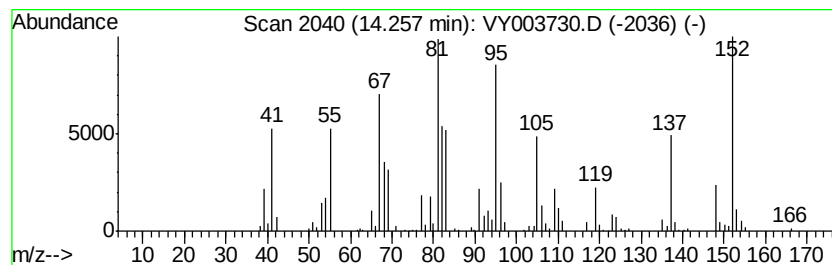
Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 trans-Decalin, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	25.07 ug/L	168240	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	89
2	(+)-2-Bornanone	152 C10H16O	000464-49-3	70
3	(+)-2-Bornanone	152 C10H16O	000464-49-3	70
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2	64
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

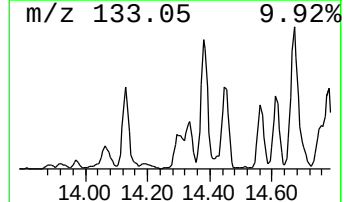
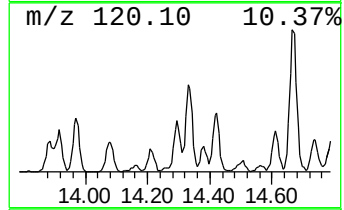
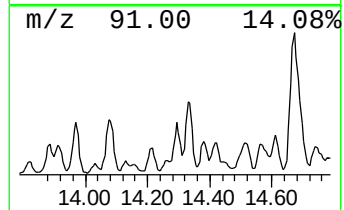
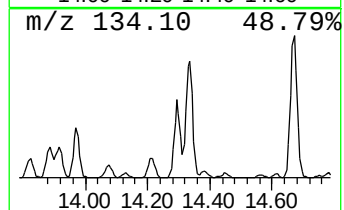
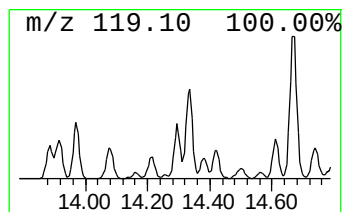
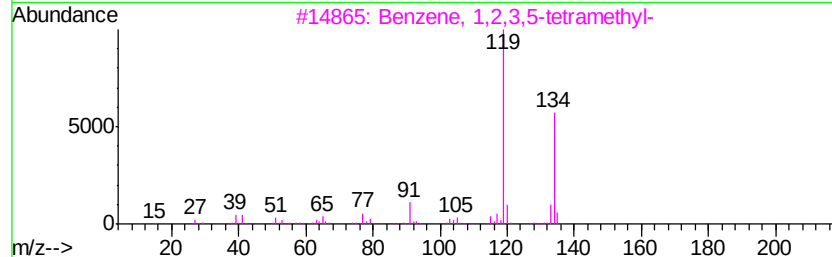
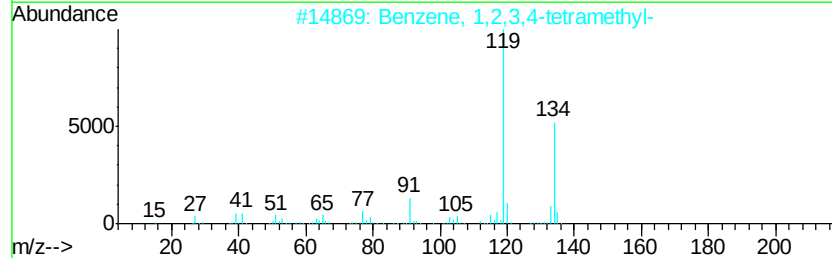
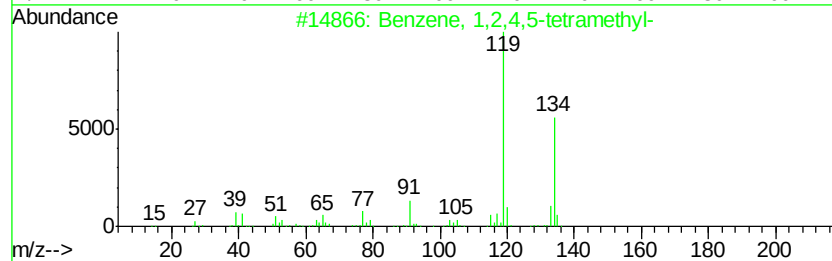
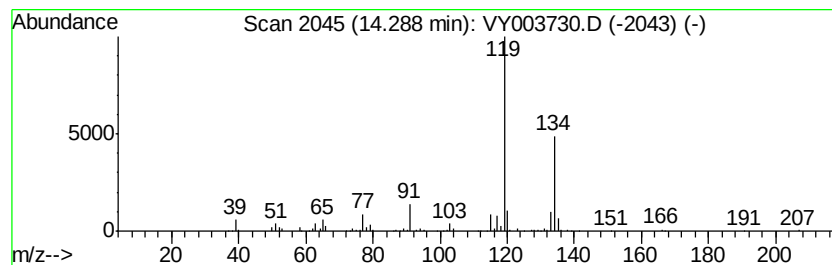
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	37.89 ug/L	254334	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

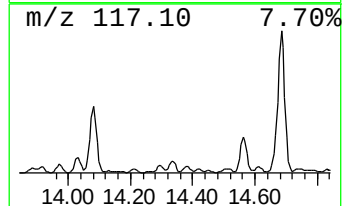
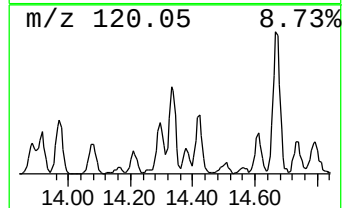
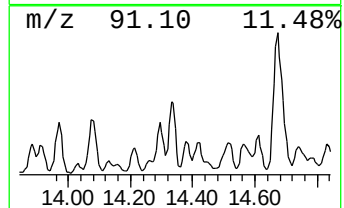
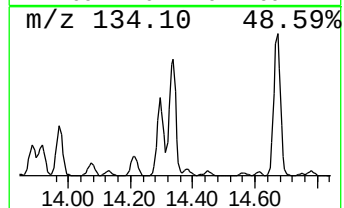
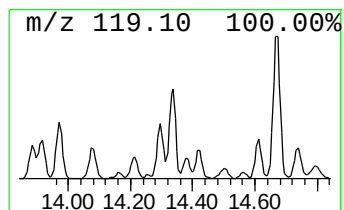
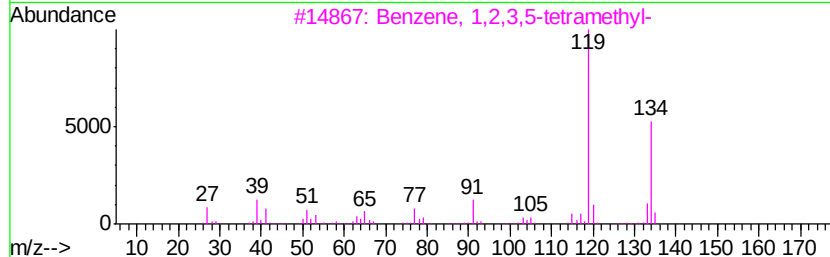
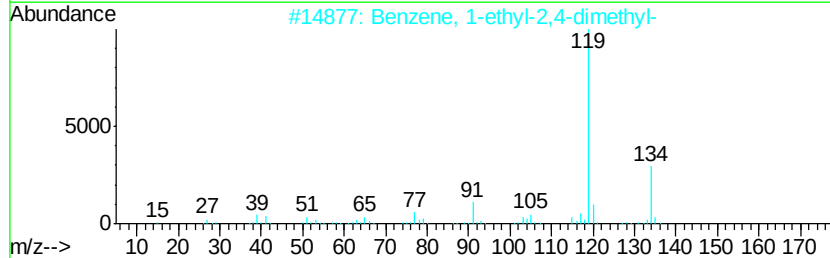
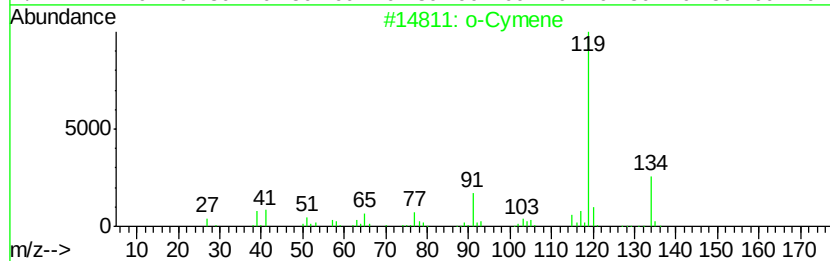
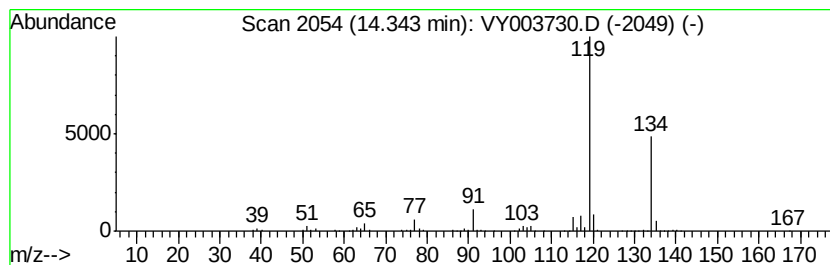
Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.34	54.87 ug/L	368297	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	94
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

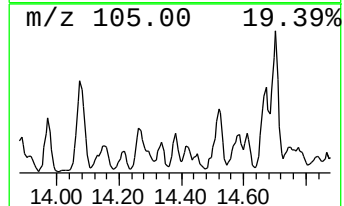
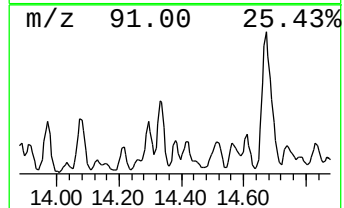
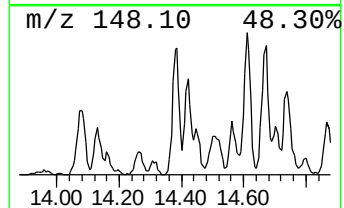
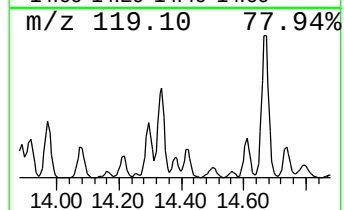
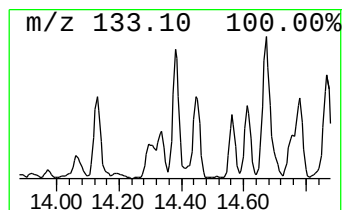
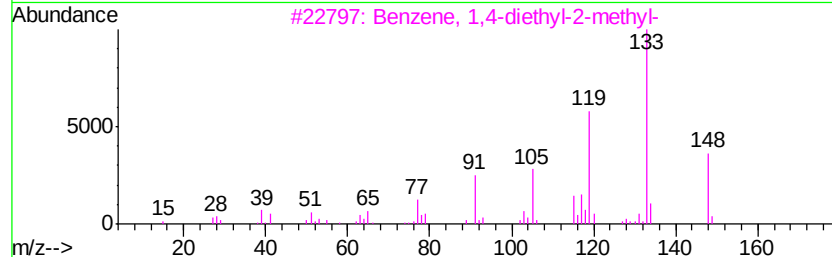
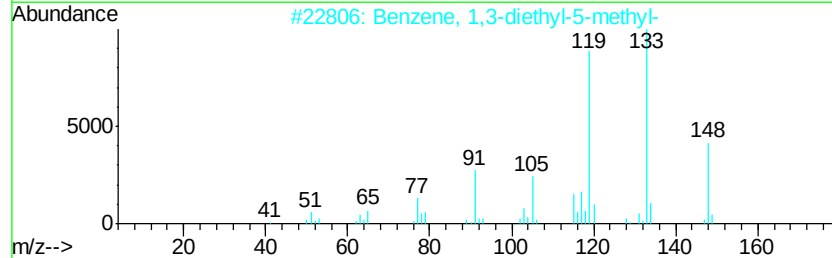
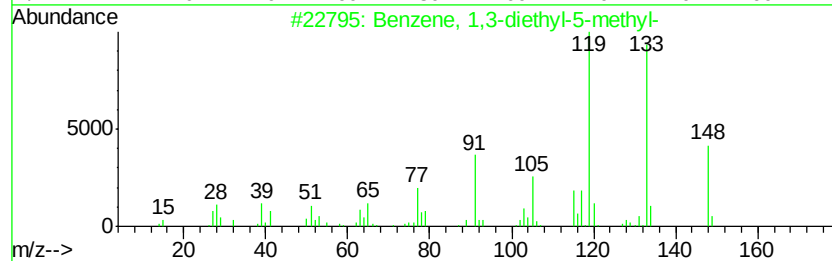
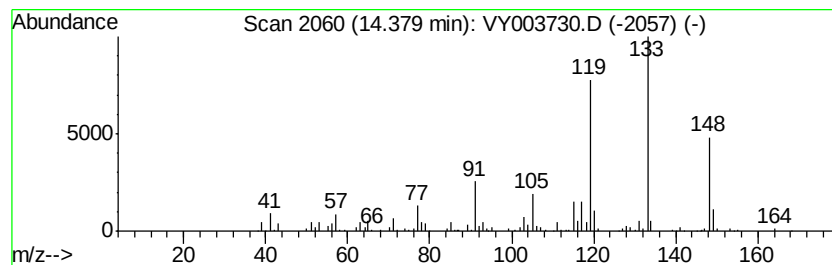
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	22.17 ug/L	148768	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
3		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
4		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

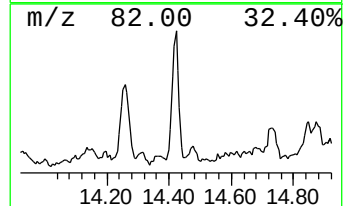
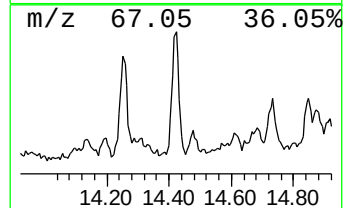
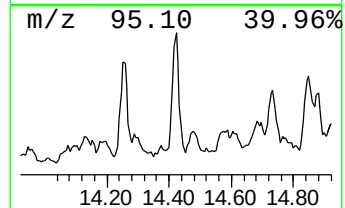
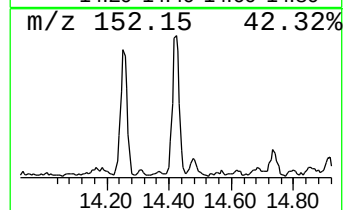
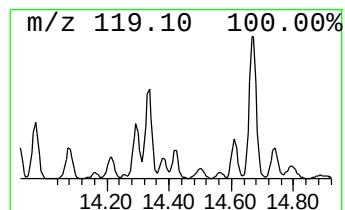
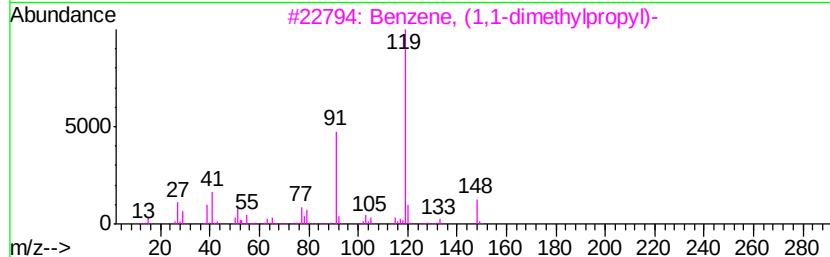
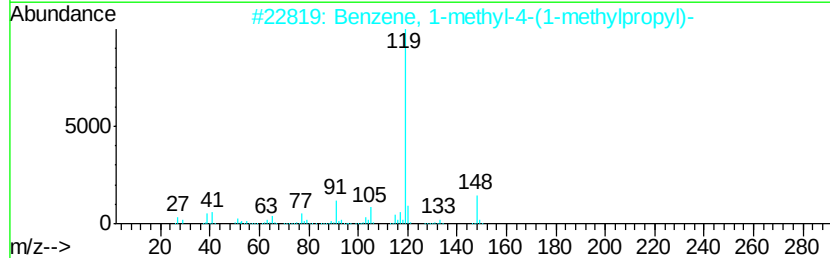
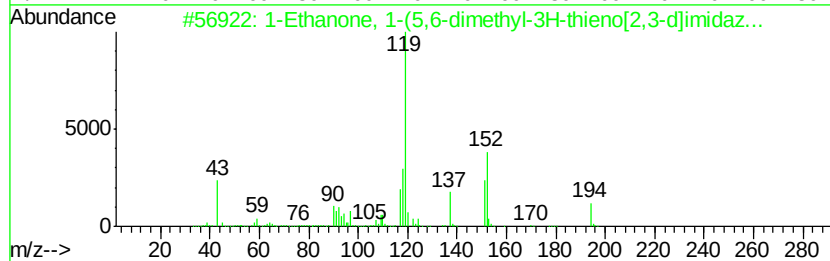
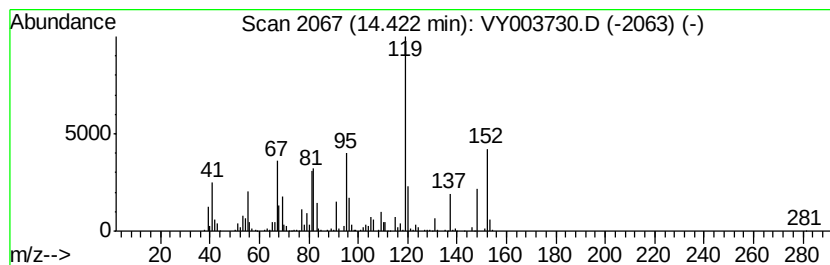
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	43.32 ug/L	290773	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Ethanone, 1-(5,6-dimethyl-3H-t...	194 C9H10N2OS	1000337-12-5	43
2	Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0	25
3	Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8	22
4	Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8	22
5	Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

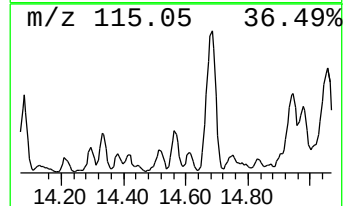
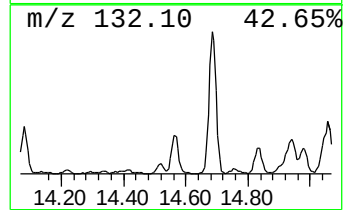
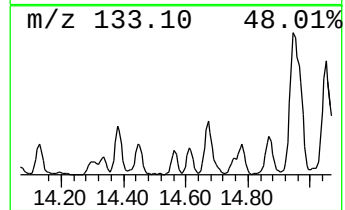
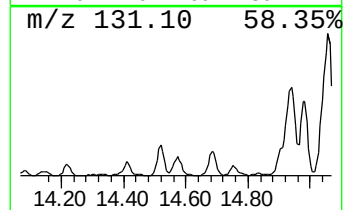
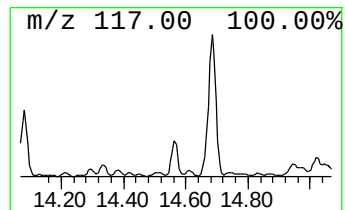
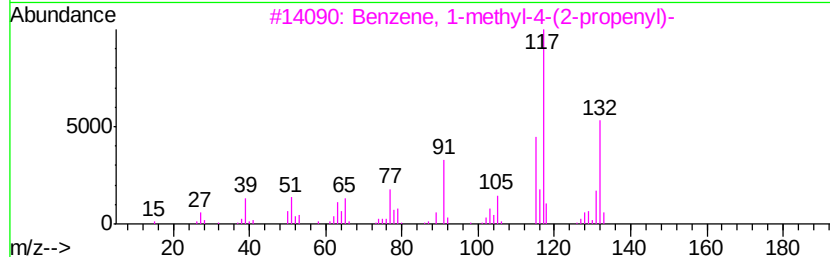
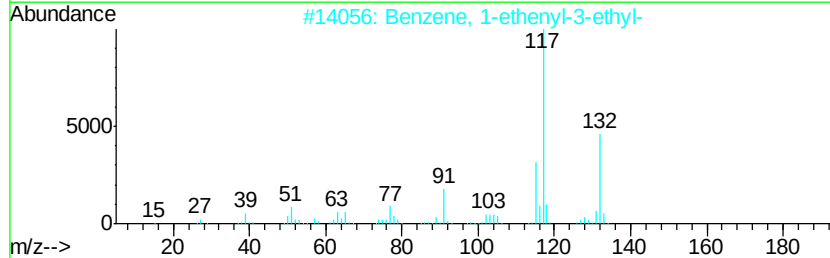
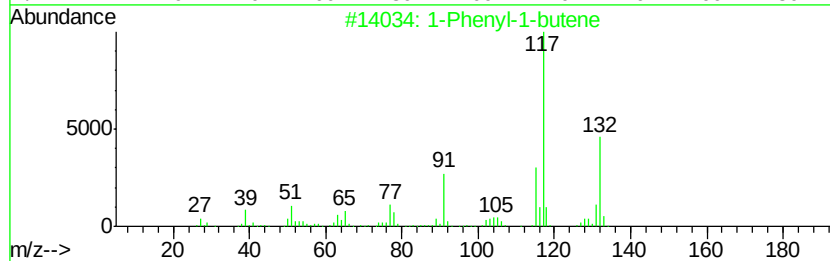
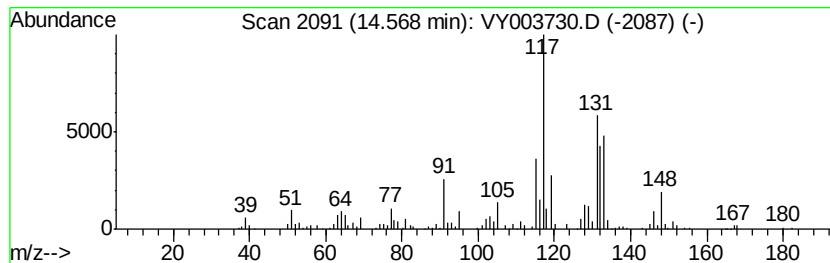
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 1-Phenyl-1-butene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	26.47 ug/L	177654	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Phenyl-1-butene	132 C10H12	000824-90-8	50
2	Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4	50
3	Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9	50
4	1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1	46
5	Benzene, 2-butenyl-	132 C10H12	001560-06-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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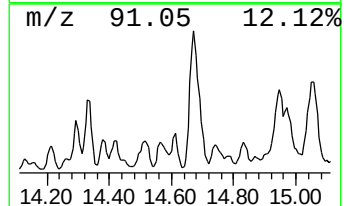
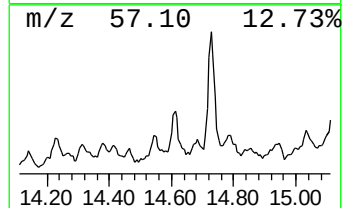
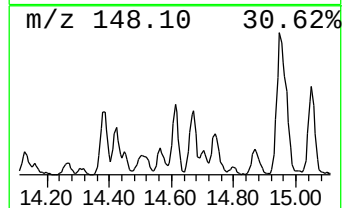
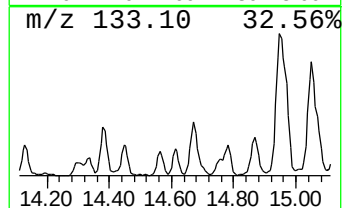
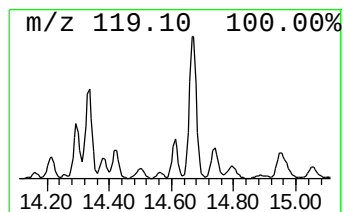
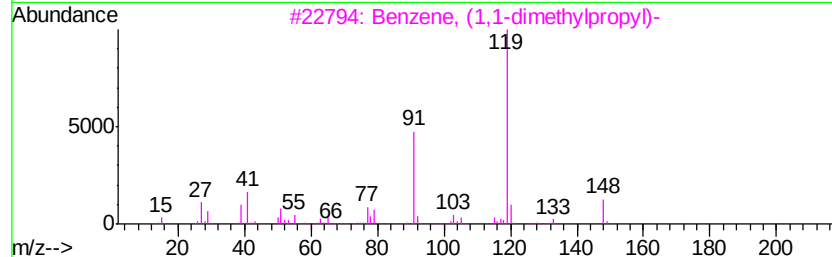
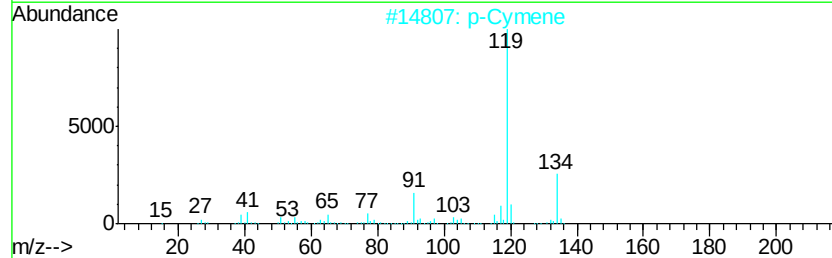
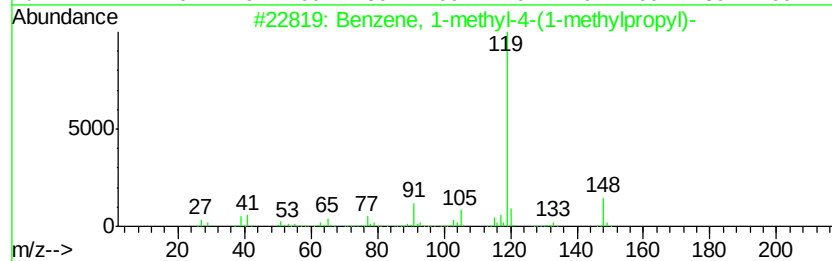
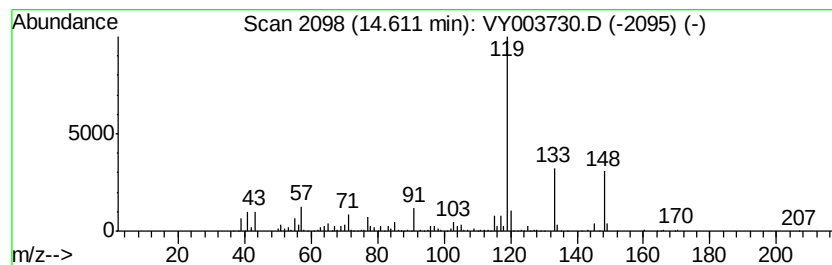
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 Benzene, (1,1-dimethylpropyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	31.68 ug/L	212613	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2		p-Cymene	134	C10H14	000099-87-6	64
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4		p-Cymene	134	C10H14	000099-87-6	64
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

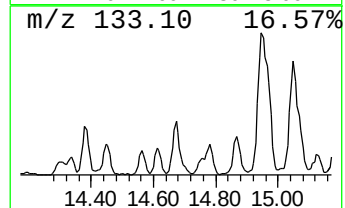
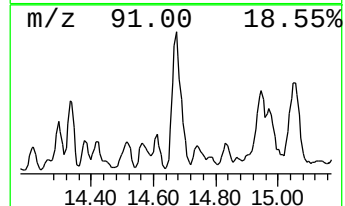
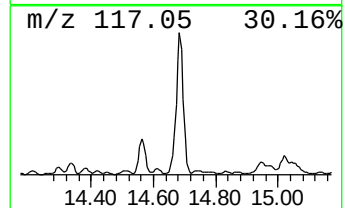
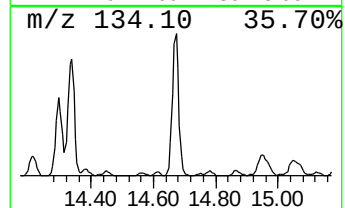
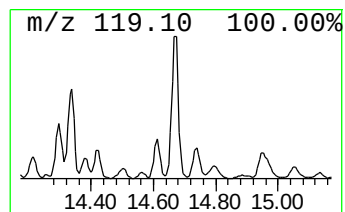
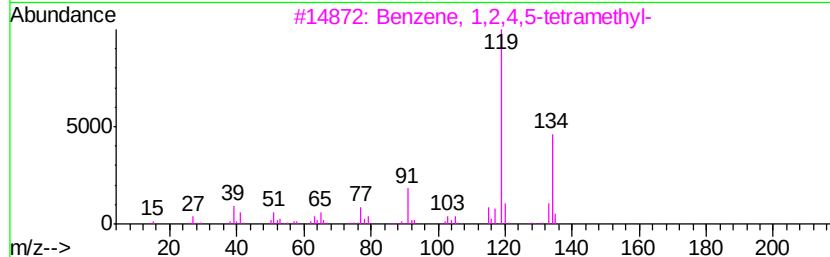
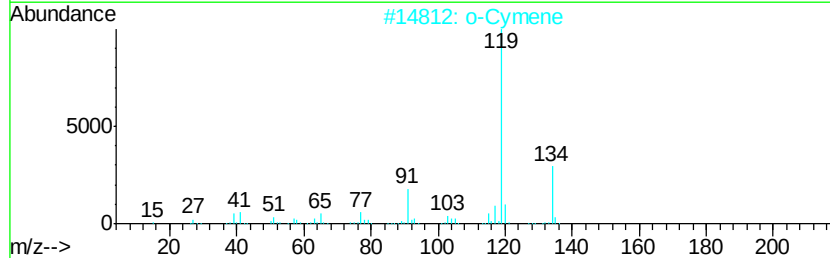
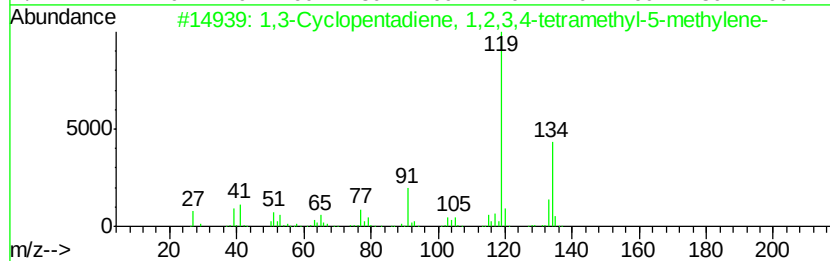
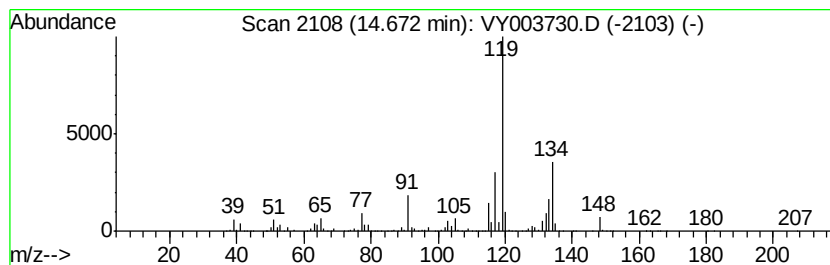
Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	182.63 ug/L	1225780	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134 C10H14	076089-59-3	81
2	o-Cymene	134 C10H14	000527-84-4	76
3	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	76
4	o-Cymene	134 C10H14	000527-84-4	76
5	Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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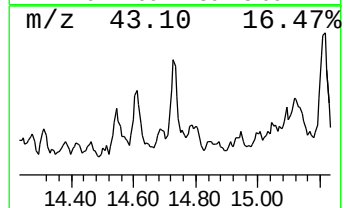
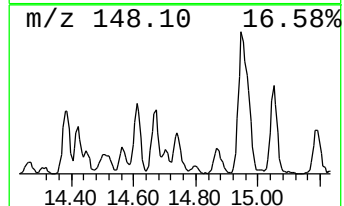
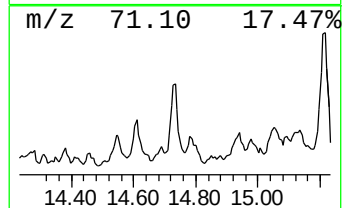
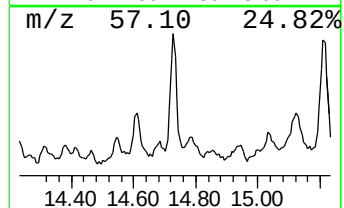
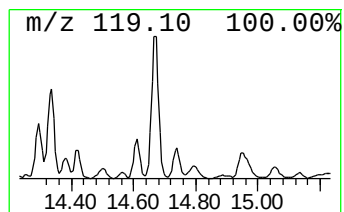
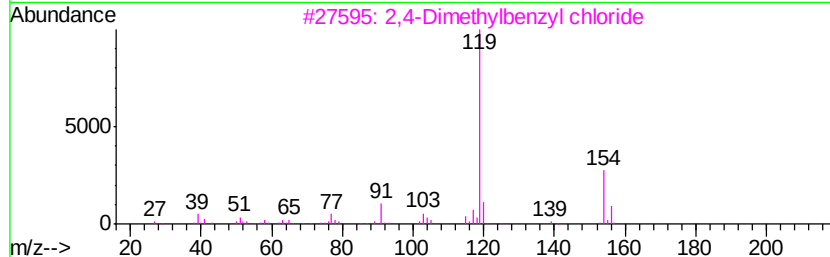
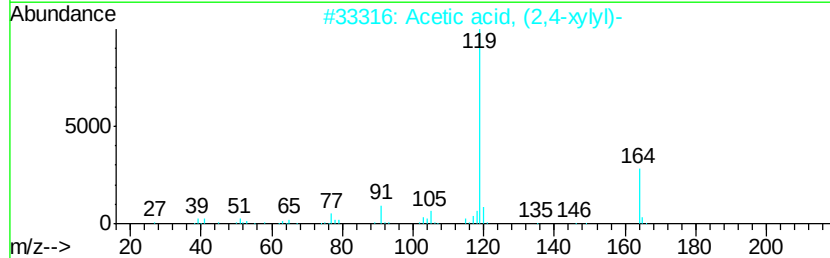
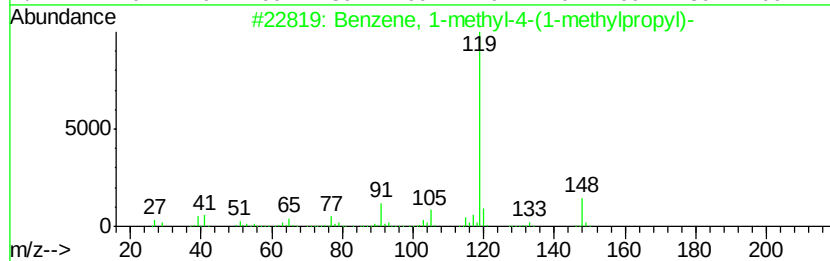
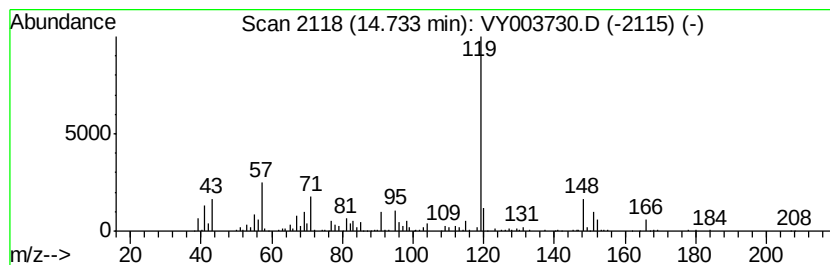
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	29.29 ug/L	196561	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53
2		Acetic acid, (2,4-xylvl)-	164	C10H12O2	006331-04-0	50
3		2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	50
4		4'-Methylpropiofenone	148	C10H12O	005337-93-9	50
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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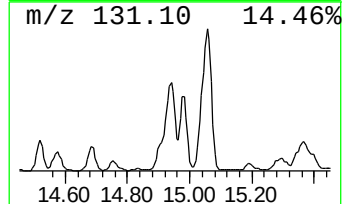
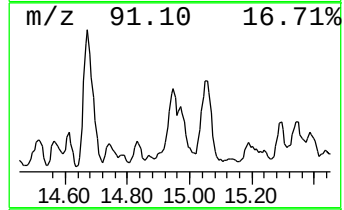
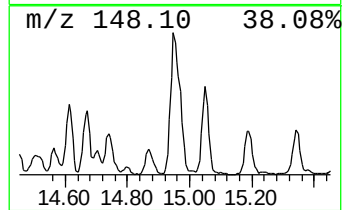
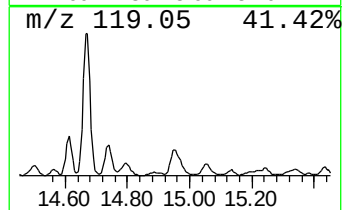
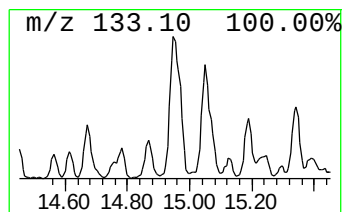
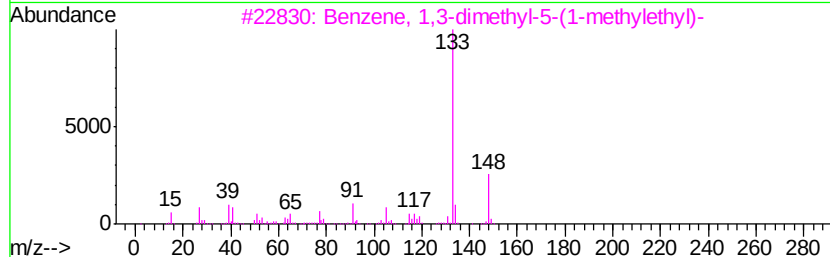
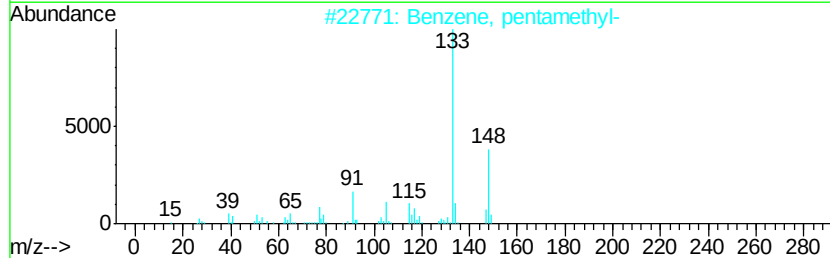
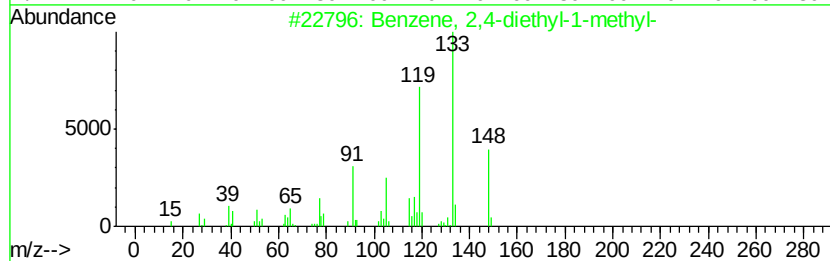
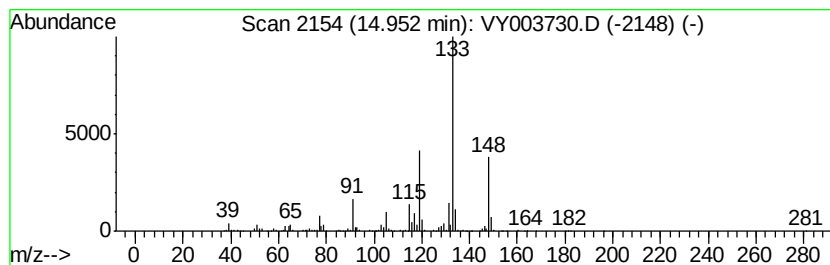
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	81.25 ug/L	545303	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	76
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	64
3		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	60
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

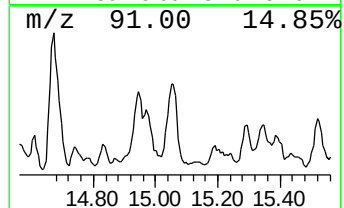
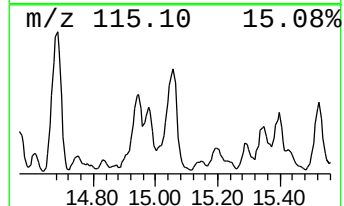
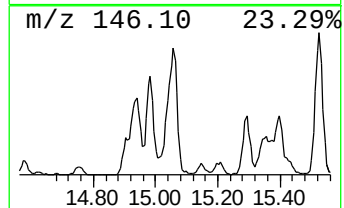
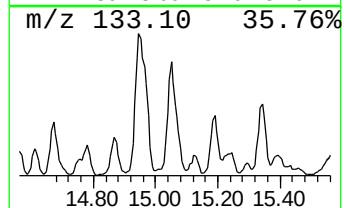
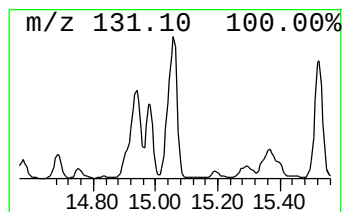
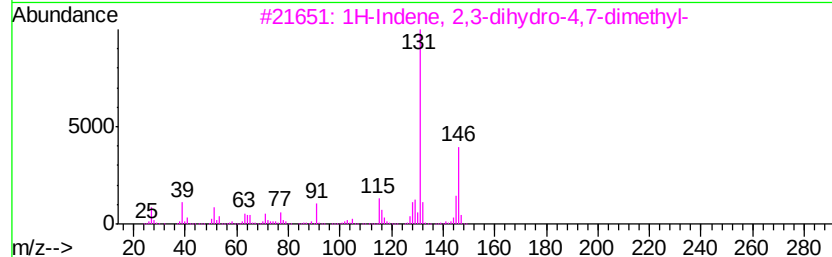
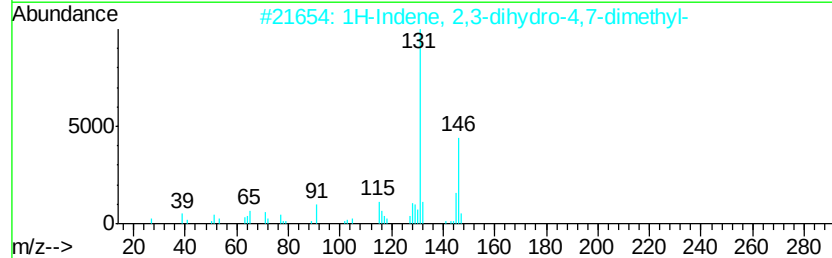
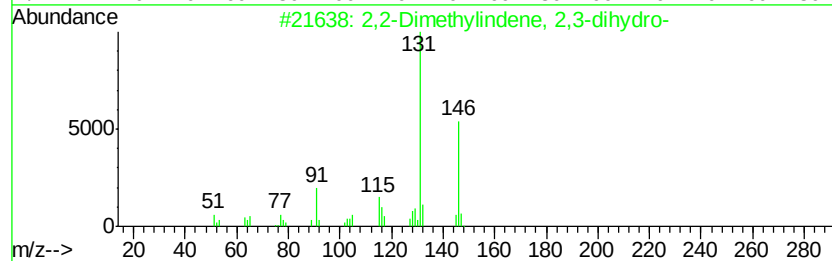
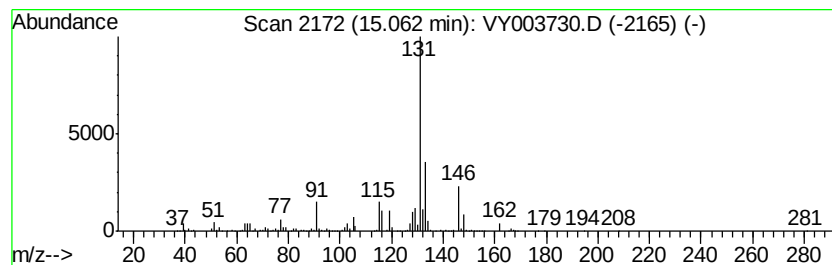
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 2,2-Dimethylindene, 2,3-dih... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	123.33 ug/L	827771	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

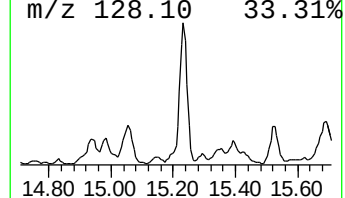
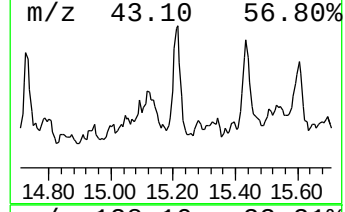
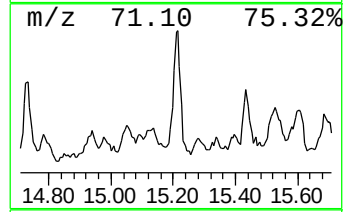
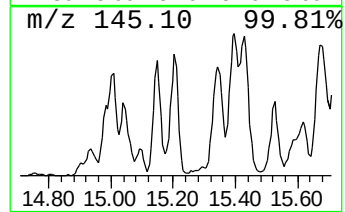
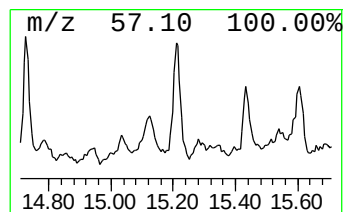
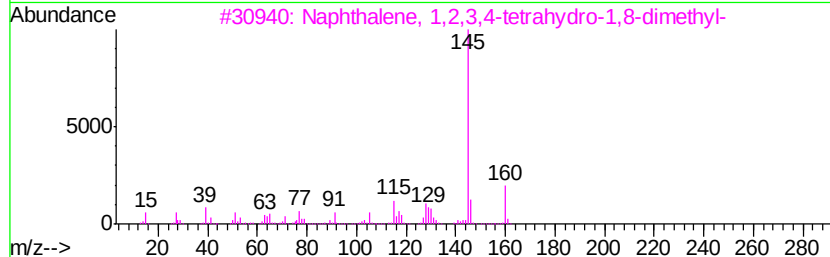
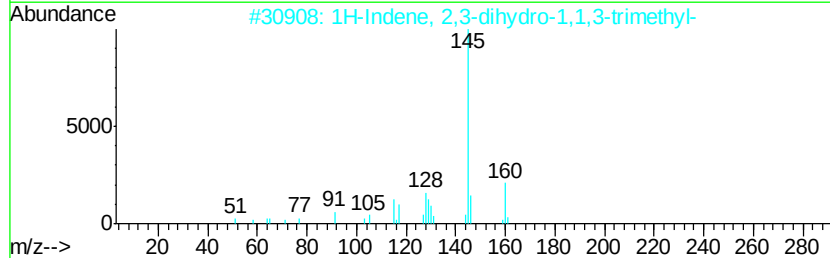
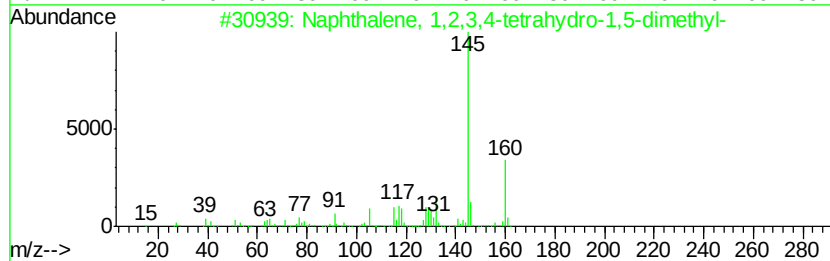
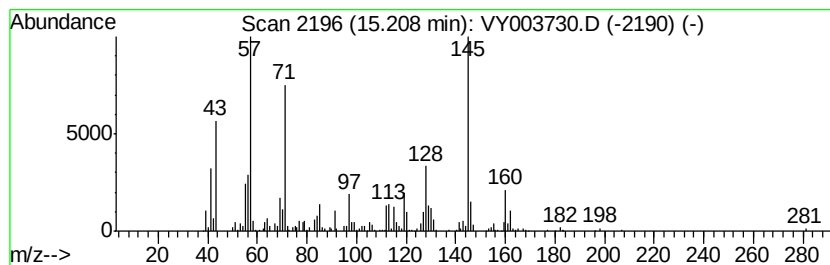
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	69.16 ug/L	464214	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	50
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	50
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50
4		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	46
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

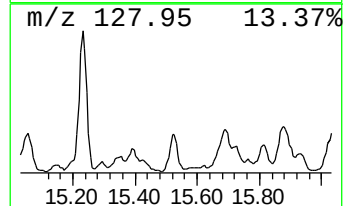
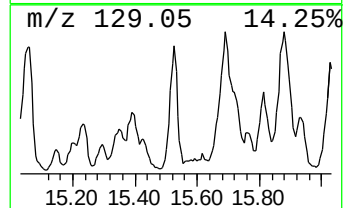
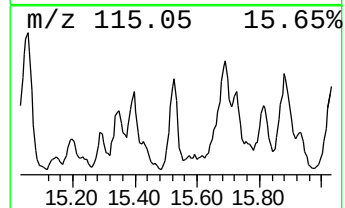
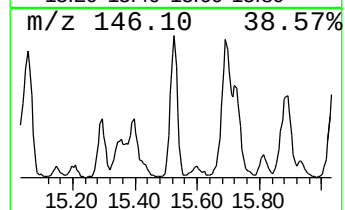
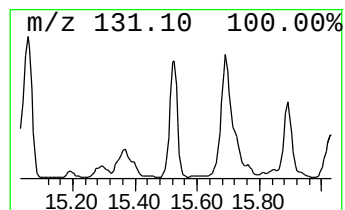
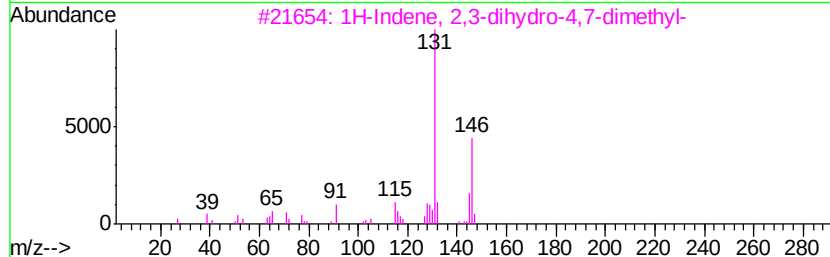
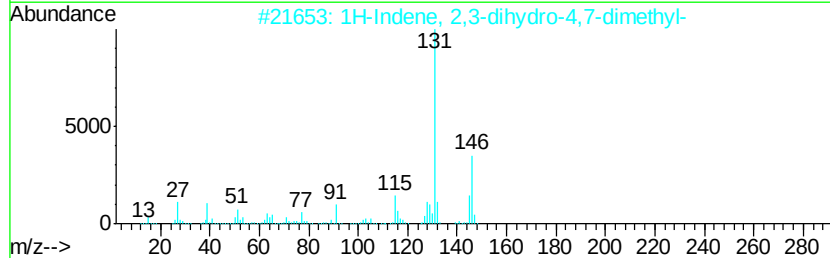
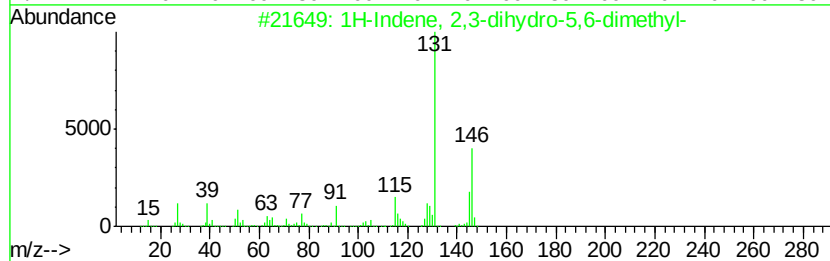
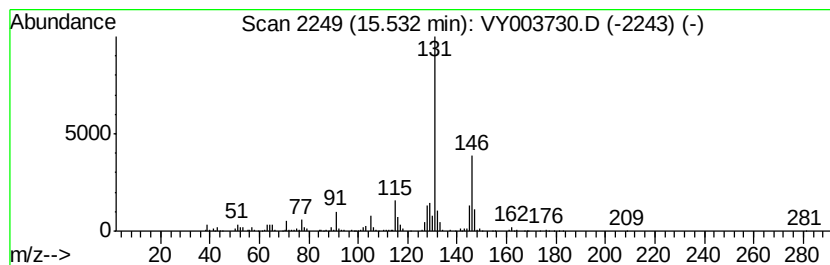
Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	73.43 ug/L	492824	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146 C11H14	001075-22-5	97
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	97
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	96
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	94
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

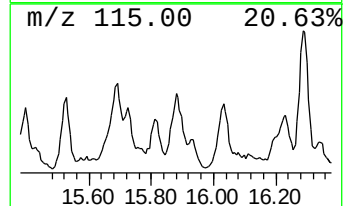
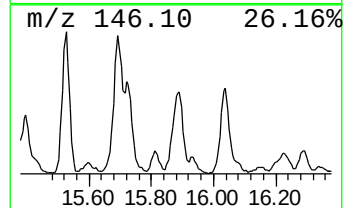
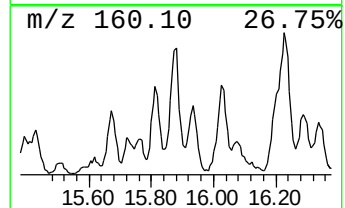
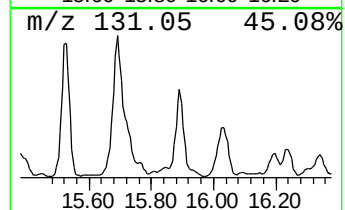
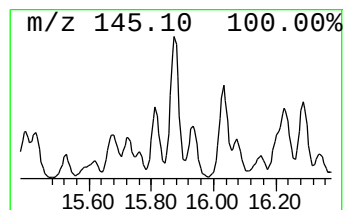
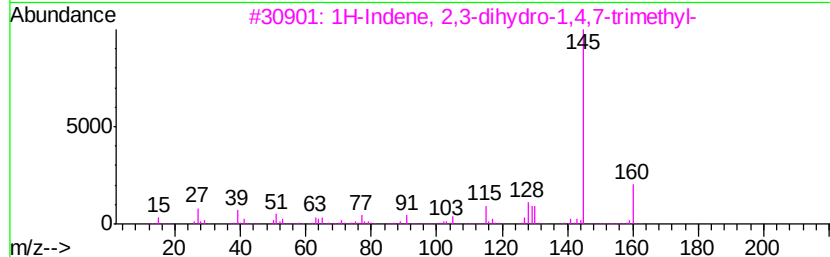
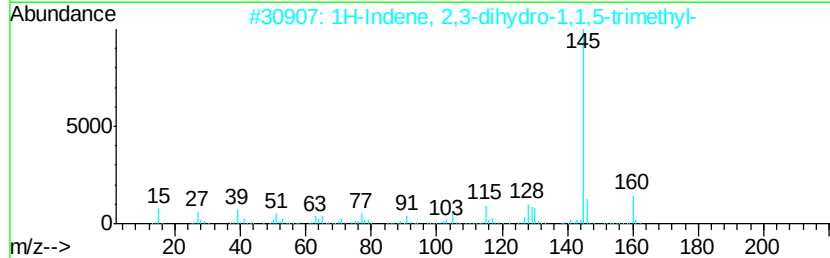
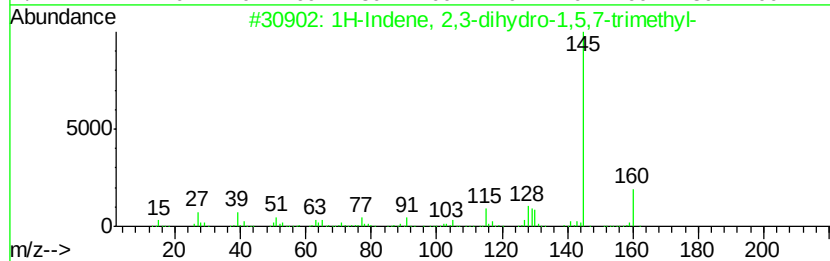
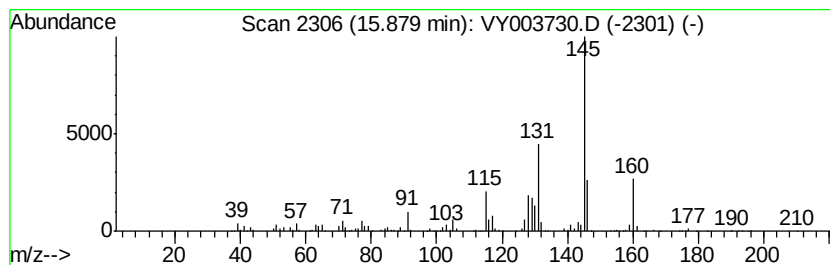
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	80.67 ug/L	541426	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	86
2		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	76
3		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	70
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	64
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

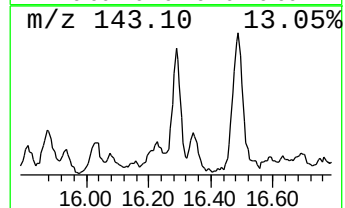
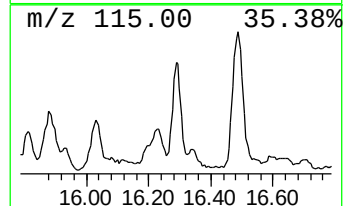
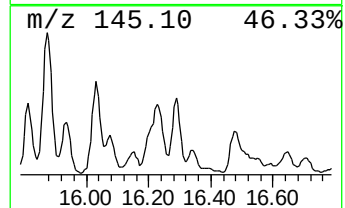
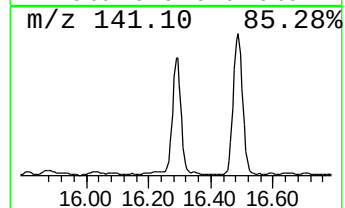
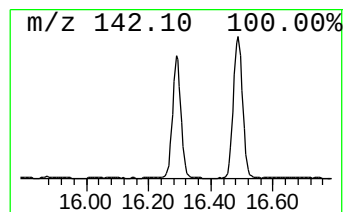
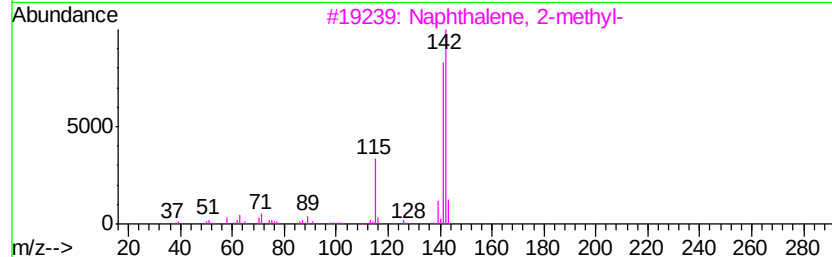
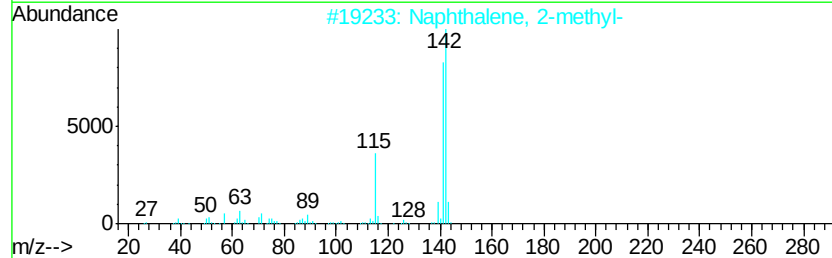
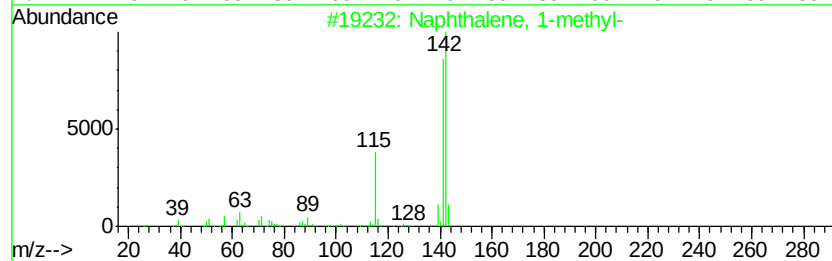
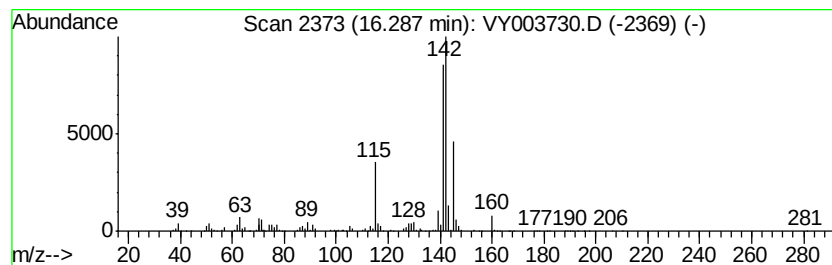
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	70.29 ug/L	471790	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Benzocycloheptatriene	142	C11H10	000264-09-5	76
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

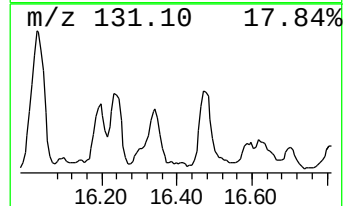
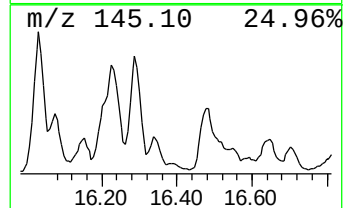
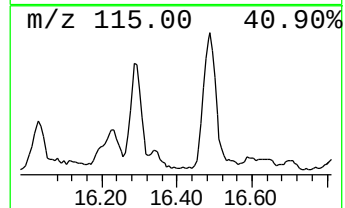
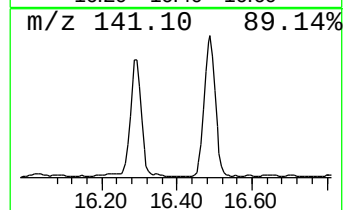
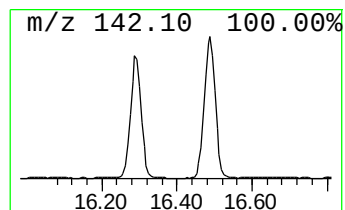
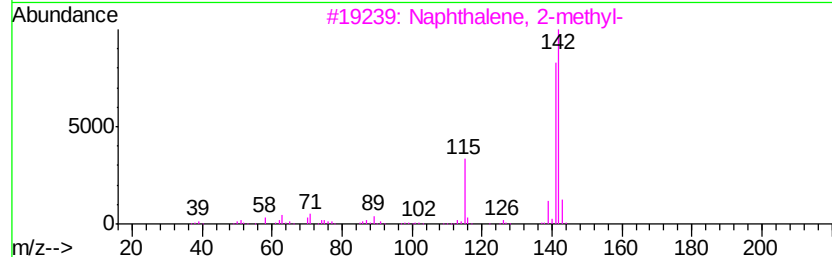
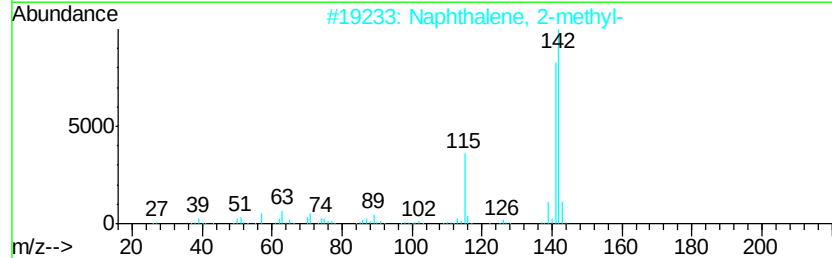
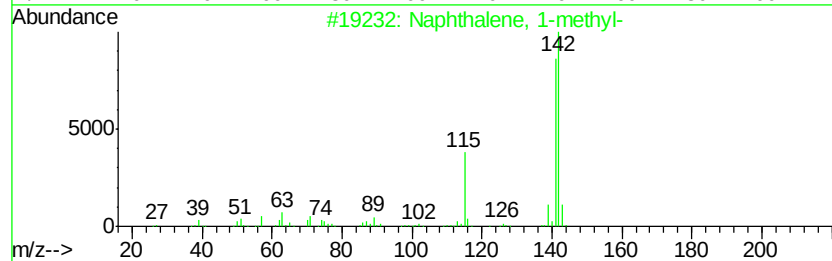
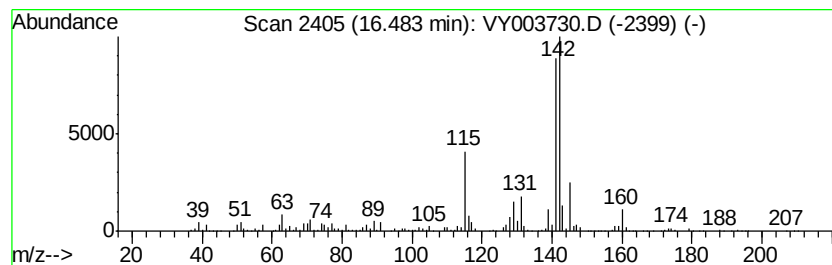
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	162.48 ug/L	1090500	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	81



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
 Data File : VY003730.D
 Acq On : 11 Dec 2020 16:27
 Operator : SY/MD
 Sample : L5063-01
 Misc : 4.47G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	11.09	1.3	ug/L	19590	2	11.49	378422	25.0
unknown hydrocarbon	12.20	2.5	ug/L	37422	2	11.49	378422	25.0
(DEL) Alkane: Str...	12.64	17.3	ug/L	116122	3	13.42	167793	25.0
Benzene, 1-ethyl-...	12.73	11.1	ug/L	74247	3	13.42	167793	25.0
Mesitylene	12.81	23.2	ug/L	155732	3	13.42	167793	25.0
Benzene, 1-ethyl-...	12.97	19.6	ug/L	131496	3	13.42	167793	25.0
Oxalic acid, 2-et...	13.04	8.3	ug/L	55354	3	13.42	167793	25.0
Benzene, 1,2,3-tr...	13.12	28.4	ug/L	190256	3	13.42	167793	25.0
unknown hydrocarbon	13.25	4.8	ug/L	32337	3	13.42	167793	25.0
p-Cymene	13.31	12.4	ug/L	83327	3	13.42	167793	25.0
unknown hydrocarbon	13.57	7.4	ug/L	49709	3	13.42	167793	25.0
Benzene, 1-etheny...	13.62	20.8	ug/L	139367	3	13.42	167793	25.0
Benzene, 1-ethyl-...	13.66	30.3	ug/L	203505	3	13.42	167793	25.0
Benzene, 1-methyl...	13.82	10.1	ug/L	67499	3	13.42	167793	25.0
Benzene, 2-ethyl-...	13.89	23.6	ug/L	158715	3	13.42	167793	25.0
Benzene, 4-ethyl-...	13.97	39.1	ug/L	262427	3	13.42	167793	25.0
Benzene, (1-methy...	14.08	47.5	ug/L	319005	3	13.42	167793	25.0
Benzene, 1-(1,1-d...	14.13	20.9	ug/L	140316	3	13.42	167793	25.0
Benzene, 1-ethyl-...	14.21	21.2	ug/L	142405	3	13.42	167793	25.0
trans-Decalin, 2-...	14.26	25.1	ug/L	168240	3	13.42	167793	25.0
Benzene, 1,2,4,5-...	14.29	37.9	ug/L	254334	3	13.42	167793	25.0
o-Cymene	14.34	54.9	ug/L	368297	3	13.42	167793	25.0
Benzene, 1,3-diet...	14.38	22.2	ug/L	148768	3	13.42	167793	25.0
unknown-01	14.42	43.3	ug/L	290773	3	13.42	167793	25.0
1-Phenyl-1-butene	14.57	26.5	ug/L	177654	3	13.42	167793	25.0
Benzene, (1,1-dim...	14.61	31.7	ug/L	212613	3	13.42	167793	25.0
1,3-Cyclopentadie...	14.67	182.6	ug/L	1225780	3	13.42	167793	25.0
Benzene, 1-methyl...	14.73	29.3	ug/L	196561	3	13.42	167793	25.0
Benzene, 2,4-diet...	14.95	81.3	ug/L	545303	3	13.42	167793	25.0
2,2-Dimethylinden...	15.06	123.3	ug/L	827771	3	13.42	167793	25.0
Naphthalene, 1,2,...	15.21	69.2	ug/L	464214	3	13.42	167793	25.0
1H-Indene, 2,3-di...	15.53	73.4	ug/L	492824	3	13.42	167793	25.0
1H-Indene, 2,3-di...	15.88	80.7	ug/L	541426	3	13.42	167793	25.0
Naphthalene, 1-me...	16.29	70.3	ug/L	471790	3	13.42	167793	25.0
1,4-Methanonaphth...	16.48	162.5	ug/L	1090500	3	13.42	167793	25.0